### ADMINIMECOTO

# DRAFT SAMPLING AND ANALYSIS PLAN FOR THE PRE-REMEDIATION INVESTIGATION OF THE MOUND, 903 PAD AND TRENCH T-1 REV. 2

FEBRUARY 21, 1996

DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

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#### LIST OF ACRONYMS

BSL Background screening level
CLP Contract Laboratory Program
COC Contaminants-of-Concern

DCE Dichloroethene

DMP Data Management Plan
DQO Data Quality Objective

EOS Environmental Quality Support

ER Environmental Restoration aka ERM, Environmental Restoration

Management

GC Gas Chromatograph

GRRASP General Radiochemistry and Routine Analytical Service Protocol

IHSS Individual Hazardous Substance Site

OU Operable unit

PAM Proposed Action Memorandum

PCE Tetrachloroethylene
PID Photoionization Detector

PPRG Programmatic Preliminary Risk -Based Remediation Goal

QAA Quality Assurance Addendum
QAPJP Quality Assurance Project Plan
OA/OC Quality Assurance/Quality Control

RFETS Rocky Flats Environmental Technology Site
RFEDS Rocky Flats Environmental Database System

SAP Sampling and Analysis Plan SQL Sample quantitation limit

SVOCs Semi-volatile organic compounds

TCE Trichloroethylene

TCL-VOA Target Compound List-Volatile Organic Analysis
USEPA United States Environmental Protection Agency

VOCs Volatile organic compounds

1,1-DCA1,1-Dichloroethane1,1-DCE1,1-Dichloroethene1,2-DCE1,2-Dichloroethene1,1,1-TCA1,1,1-Trichloroethane

# DRAFT – SAMPLING AND ANALYSIS PLAN FOR THE PRE-REMEDIATION INVESTIGATION OF THE MOUND, 903 PAD AND TRENCH T-1

#### 1. INTRODUCTION

The objective of the SAP is to describe the specific data needs, sampling and analysis requirements, data handling procedures, and associated Quality Assurance/ Quality Control (QA/QC) requirements for the completion of soil gas and subsurface soil sampling conducted as part of the actions. The data gathered from these activities will be used to estimate volumes of soil requiring removal for treatment or disposal at Trench T-1 (IHSS 108), the Mound (IHSS 113), and the 903 Pad (IHSS 112)

Trench T-1 (IHSS 108), is located southeast of the Protected Area fence and north of Central Avenue as shown by Figure 1-1 The trench is roughly 150 feet long by 20 feet wide by 10 feet deep Approximately 125 drums containing depleted uranium chips, hydraulic oil, carbon tetrachloride (CCl<sub>4</sub>), metal turnings, distillation bottoms, copper alloy, and cemented cyanide waste are believed to have been disposed in this trench from 1954 to 1962 (RF/ER-95-0010, DOE 1995a) Previous investigations included soil gas and geoprobe sampling of the area near the trench margins, ground penetrating radar (GPR), and electromagnetic surveys (EM-31 and EM-61) over the trench The electromagnetic survey results indicate buried metallic objects occur within the trench Figure 1-2 illustrates a typical resistivity response within the trench

Due to concern about the suspected presence of pyrophoric uranium in some of the drums disposed in trench T-1, no intrusive activities have occurred within the trench boundaries. Existing soil gas data is available only for the area surrounding the trench. Downgradient wells from IHSS 108 are subject to influence from other IHSSs and do not provide sufficient information to distinguish any potential releases from Trench T-1. Additional data including soil gas, soil core and/or non-aqueous phase liquid (NAPL) samples from within the trench are required to determine whether materials in the trench provide a source of contamination to local groundwater requiring accelerated source removal.

The Mound Site is located north of Trench T-1, east of the Protected Area fence, and west of the former east inner gate (Figure 1-1) Between 1954 and 1958, drums containing hydraulic oil and carbon tetrachloride (CCl<sub>4</sub>) contaminated with depleted uranium and beryllium were buried at this site Additionally, historical records show some of the buried drums contained tetrachloroethene (PCE), enriched uranium, and plutonium (DOE 1991, Final Phase II RFI/RI Work Plan TM 1, RFP 903 Pad, Mound and East Trenches Areas, DOE 1992, Final Historical Release Report for the Rocky Flats Plant) In 1970, after it was discovered the integrity of the drums was failing and leakage was detected, all the drums and the encompassing soils were removed from the site in 1970. Later investigations shown levels of volatile organic compounds (VOCs) in groundwater samples downgradient from the site exceed Rocky Flats Environmental Technology Site (RFETS) Cleanup Levels. Initial characterization results indicate increasing concentrations of PCE and TCE to a depth of 20 feet and decreasing concentrations below that depth. A more detailed account of contamination at this site is available in the Phase II RFI/RI Report for Operable Unit No. 2.903 Pad, Mound, and East Trenches Area. Due to the proximity of Trench T-1, additional sampling is required to identify discrete sources to local groundwater contamination

The Oil Burn Pit (IHSS 153) is located north of Trench T-1 and west of The Mound site (Figure 1-1) The site was formerly used for burning of uranium contaminated cutting oils. In 1978, 240 boxes of soil were removed from the site to remediate radioactive contamination. The site was not evaluated at that time for

VOC or residual fuel contamination During the construction of the Protected Area (PA) fence in 1980, the southwest corner of the Mound and IHSS 153 were excavated to a depth of twelve feet below ground surface (BGS), thus removing soils which may have been contaminated or stained by the cutting oils

The 903 Pad (IHSS 112) is located west of the former east inner gate and south of Central Avenue at the western edge of the eastern buffer zone (Figure 1-1). The site was previously used for storage of drums containing cutting fluids contaminated with plutonium. Leakage from the drums contaminated the area which is presently sealed under an asphalt cap. VOC constituents present in the cutting fluids include trichloroehtene (TCE), PCE, and CCl<sub>4</sub>. A series of borings for soil gas and soil sample observations will be completed by drilling through the cap with continual monitoring for radioactive and VOC contamination. The results from these observations will be used to determine if residual VOC contamination is present at the 903 Pad above levels exceeding the RFETS Cleanup Levels for Subsurface Soil Construction Worker Scenario that would require further remedial action.

Figure 1-3 shows the proposed locations for additional soil gas and soil sample collection. Sampling locations may vary from this proposal as field observations and additional information gathered as the sampling program progresses is evaluated. Table 1-1 shows maximum concentrations of VOC detections in existing groundwater monitoring wells upgradient and downgradient from Trench T-1, the Mound, and the 903 Pad.

TABLE 1-1

MAXIMUM CONCENTRATIONS OF VOC DETECTS FOR GROUNDWATER NEAR IHSS 108, IHSS 112,
AND IHSS 113

Well Number	Analyte	Concentration	Qualifier	Sample Date
2387	Tetrachloroethene	74 μg/L		8-Mar-91
01791	Methylene chloride	22 μg/Kg		17-Mar-92
02191	Tetrachloroethene	980 μg/Kg	*E	4-Nov-91
13091	Methylene chloride	18 μg/Kg		19-Feb-92
06691	Carbon tetrachloride	100000 μg/L	*E	19-Mar-93
06591	Carbon tetrachloride	1200 μg/L	*E	1-Sep-94

<sup>\*</sup> E (Estimated due to inorganic interference)

See Appendix A VOC Detects for Groundwater for further analytical results

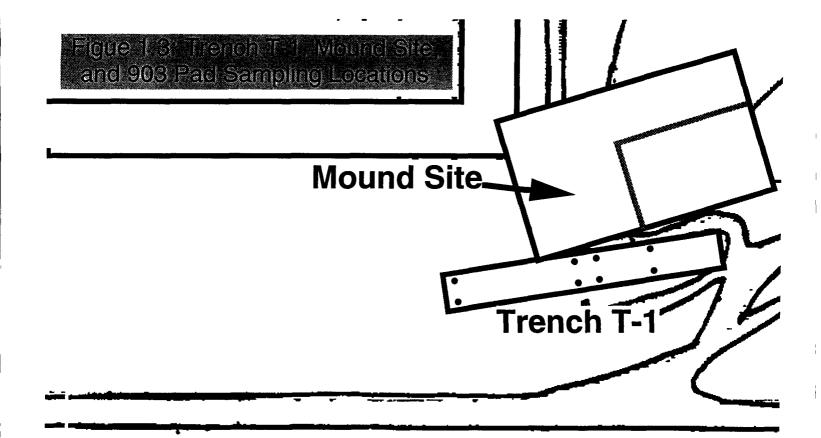
#### 1.1. Data Adequacy

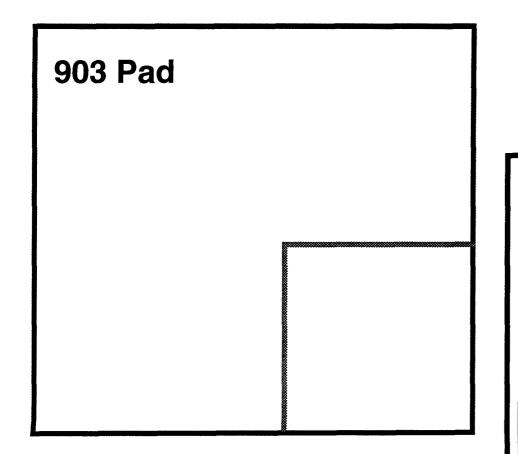
Previous investigations in Trench T-1 avoided the interior margins of the trench and the available data is not suitable for characterizing suspected fuel constituent and PCB contamination. The relationship between contamination in various groundwater monitoring wells, the Mound and Trench T-1 must be clarified before source removal actions can be planned. Due to previous mitigation efforts the nature of residual VOC contamination at the 903 Pad is presently unknown. General knowledge of the releases is available, but specific characterization of the extent of residual VOC contamination beneath the asphalt and soil cap is not available. Existing patterns of groundwater contamination suggest the 903 Pad area contributes to a generally eastward moving plume in alluvial groundwater. Previous investigations appeared to be more broad in scope and did not concentrate on locating NAPL source areas, or provide sufficient information to create an accurate volume estimate of contaminated soil

8 20--01

U S DEPARTMENT OF ENERGY Rocky Flats Environmental Technology Site Golden, Colorado

OPERABLE UNIT NO 2 TRENCHES AND MOUND SITE ELECTOMAGNETICS CONTOUR MAP (EM-31) VERTICAL DIPOLE MODE QUADRATURE RESPONSE TRENCH T-1







Subsurface Soil Sampling Location

Soil Gas Sampling Traverse Line

#### 1.2 Objectives

The objectives of these investigations are described below

to identify areas of maximum VOC concentration in soils and or determine the presence or absence of free phase VOCs in Trench T-1, the Mound, and the 903 Pad

determine the presence or absence of fuel constituents in Trench T-1 and the Mound estimate the volume of subsurface soil requiring remediation and or excavation

This data will be used to support the design and evaluation of remediation alternatives for these sites

#### 1.3. Methodology

The following methodology will be utilized

Geoprobe borings will be located per the diagram in Figure 1-1 five feet inside the previously identified trench boundary on the north and south sides at Trench T-1,

depth of borings will not exceed 10 feet in Trench T-1 or bedrock at other locations,

Geoprobe borings at the Mound will be located per the diagram in Figure 1-2,

Geoprobe traverses at the 903 Pad will be set up parallel to the east edge of the pad 20 feet apart with hole spacings of 20 feet unless NAPL is encountered which will reduce the step out to 10 feet, line locations will be modified to cover areas with visible surface staining,

Geoprobe locations will be modified in the field on the basis of the field results as obtained, (i.e. if areas of high VOC contamination are found, additional locations for soil gas sampling may be identified to further delineate the extent of contamination)

borings will be located in areas showing elevated soil gas results,

borings continuously cored and soil cores will be screened visually and with a photoionization detector or field gas chromatograph,

select soil or liquid samples containing possible free product will sent directly to a laboratory for analysis, and

analysis will be by VOA -CLP methods

Table 1-2 specifies the RFETS Cleanup Levels to be used for this SAP

TABLE 1-2
RFETS ACTION AND CLEANUP LEVELS<sup>1</sup>

Constituent of Concern	Cleanup Levels (mg/kg)
TCE	9 27
PCE	11 5
Carbon Tetrachloride	11 0
TPH, fuel constituents (benzene)	8 08

<sup>1</sup> RFETS Action and Cleanup Levels, US DOE, February 1996

Table 1-3 presents the investigative methods to be used at each site

TABLE 1-3
INVESTIGATIVE METHODOLOGY BY LOCATION

Location	Method	Purpose
Trench T-1 IHSS 108	Geoprobe soil core sampling (8), geophysical (magnetometer) survey (opt)	Determine nature and extent of contamination within trench and refine location of buried drums
Mound IHSS 113	Geoprobe soil core sampling (2 min based upon field observations) and soil gas sampling (15) at NE corner of IHSS	Determine nature and extent of VOC
903 Pad IHSS 112	Aerial photo evaluation, soil gas (20) and soil core sampling	Determine existence, magnitude, and location of residual subsurface VOC contamination

<sup>&</sup>lt;sup>1</sup>Approximately three samples per borehole, dependent on soil gas results with a minimum of four locations at the discretion of the field geologist

This SAP will be conducted under the quality umbrella of the Environmental Restoration (ER) sitewide Quality Assurance Project Plan (QAP<sub>1</sub>P)

#### 2. SAMPLING AND DATA QUALITY OBJECTIVES

This investigation is driven by DOE Order 5400 1, RFETS protection of groundwater, to determine if VOC levels in the subsurface soil at Trench T-1, Mound, and 903 Pad are greater than or equal to site soil PPRG for Construction Worker/subsurface soil, and to determine if buried drums within IHSS 108 or soils at the Mound and 903 Pad are contributing VOCs to the soils and groundwater beyond the respective IHSS Associated goals of this investigation include determination if fuel constituents are present in the trench or Mound Data acquired from this investigation will be used to develop and evaluate remediation alternatives for the three sites

#### Field conditions expected during the investigation

Low to background levels of radionuclides are expected to be encountered, during most operations but soil cores will be field screened upon retrieval and no activities will be conducted at the 903 Pad prior to a full radiological screening of the soil gas monitoring locations. Appropriate PPE will be used during operations at the site with continuous radiological monitoring during intrusive activities. Field work will be performed primarily in modified-Level D Personal Protective Equipment (PPE). Soil core sampling may be performed in Level B PPE if high VOC readings and possible NAPL occur during monitoring.

Groundwater movement at the four sites is generally eastward with a more northerly component at the Mound, and Trench T-1 and a southerly component near the 903 Pad Shallow (less than 20 feet depth bgs) sources of VOC contamination are suspected causes of observed groundwater contamination plumes north and east of the IHSS These sources result from leakage of drums formerly stored at the 903 Pad and Mound site and potentially from buried drums located within Trench T-1 Samples will be recovered from within Trench T-1 to determine if the drums are leaking, and due care will be taken to avoid the immediate vicinity of the drums to prevent accidental puncturing of buried drums. Soil gas and soil core screening by

PID instruments will be used to identify soil core sample intervals for further laboratory analyses by USEPA VOA-CLP methods

#### 2.1. Field Implementation

The methodology to be used to evaluate the field data as it is collected, to modify boring locations, and to select soil and liquid samples for laboratory analysis is detailed in Sections 2 1 3 3, 2 1 3 4, and in the Decision Tree of Figures 1 2-6 and 1 2-7 of the *OU-2 Trenches and Mound Site Characterization Work Plan RF/ER-95-0010* Since the work plan was created, metals analyses have been dropped and additional electromagnetic surveys will not be necessary Prior to drilling in Trench T-1, the area will be screened by a magnetometer or metal detector survey to clear proposed boreholes from buried drums

#### 2.2. Data Analytical Levels

Field screening data collected by visual means and PID instruments will meet the requirements for CERCLA Level II and laboratory analytical results will meet Level III requirements

#### 2.3. Data Quality Objectives

The data quality objectives for this program are summarized in Table 2-1 Approximately 36 soil gas boreholes with two sampling intervals per hole will be drilled by the geoprobe rig Data from these holes may modify the locations of soil core holes to be drilled by the same rig Depths will not exceed 10 feet or encountered resistance in Trench T-1 and may extend to the depth of bedrock in other locations. Two to three samples per borehole are expected to be analyzed by laboratory techniques, but all recovered samples will receive field screening by visual and PID instruments

TABLE 2-1
DATA QUALITY OBJECTIVES

Data Quality Objective	Assurance Method
Document concentrations of VOCs in soil indicative of NAPL Define sources of groundwater VOC contamination Document occurrences of residual fuel contamination in soils Document concentrations of radionuclides Pu 239/240, U isotopes, or Am 241 if soil rad screen results indicate	Thirty-six soil gas boreholes with two measurements per hole. Twenty soil borings to bedrock with approximately three soil core samples collected per hole for the four holes outside Trench T-1 and analyzed for VOCs. The 8 holes in Trench T-1 will be continuously cored to the base of the trench and field screened with stained or high (>1000 ppm) VOC intervals selected for further laboratory analysis. Four QC samples (3 duplicate and 1 rinsate) will be collected. Analysis will be by USEPA CLP-VOA and a rad screen. If a rad screen indicates above background concentrations of Pu or Am, the remaining sample will be analyzed for Pu 239/240, U isotopes, and Am 241
Characterize groundwater if the presence of NAPL is suspected	Twenty soil borings to bedrock with a minimum of 5 percent of the soil borings having a groundwater sample collected from immediately above the bedrock contact analyzed for VOCs Two QC samples (1 duplicate and 1 rinsate) will be collected Analysis will be by USEPA CLP-VOA and a rad screen

#### 3. SAMPLE COLLECTION AND ANALYSIS

Sampling locations are per Figures 1-1 and 1-2, exact locations will be established by GPS instruments and the sites will be cleared before intrusive activities begin. Soil gas samples will be obtained at least two per hole at approximately 5 foot intervals. Soil cores will be collected continuously and selections of samples for laboratory analysis will be made on the basis of field screening results (visible staining, high PID readings see Section 2.0 Field Implementation)

TABLE 3 1
ANALYTICAL PROTOCOLS FOR SOILS AND SOIL GAS

Soils Analysis			[	
Analysis/Method	Samples	QC Samples	Total Samples	Container/Preservatives/Holding Time
*Volatile Organics/TCL-VOA Meth 8240, 8270, 8015	60	1 duplicate per 20	63	500 ml glass jars /4°C/ 7 days
		1 field blank	1	4 oz glass w/ Teflon liner/4°C/ 7 days
*Radionuclides/ Am241 Pu239/240 U Alpha Spec		1 duplicate		1 L glass jars/NA/61 days
		1 field blank	1	500 ml glass jars/NA/61 days
Soil gas Analysis				
*PID measurement/GT 09	72	4 duplicates	76	Syringe/NA/NA

<sup>\*</sup> The number of samples collected will be determined by field observations made by the geologist and by results from field instrumentation

TABLE 3 2
ANALYTICAL PROTOCOLS FOR LIQUIDS

Analyte/ Method	Samples	QC Samples	Total Samples	Containers/preservative/holding time
Groundwater	ıf present			
*Volatile Organics/TCL- VOA Meth 8240, 8270, 8015	3	1 duplicate	4	2, 1 L amber glass /4°C/7 days
		1 rınsate	1	250 ml glass jars/NA/61 days
*Pu239/240 Am241 U Alpha Spec	3	1 duplicate	4	1 L Poly jars/NA/61 days
NAPL	ıf present			
*Volatile Organics/TCL- VOA Meth 8240, 8270, 8015	3	1 duplicate	4	2, 1 L amber glass /4°C/7 days
		1 rinsate		4 oz glass w/ Teflon liner/4°C/7 days
*Pu239/240 Am241 U Alpha Spec	3	1 duplicate	4	1 L Poly jars/NA/61 days

<sup>\*</sup> The number of samples collected will be determined by field observations made by the geologist and by results from field instrumentation

All boreholes will be drilled with a hydraulic push drill rig one to two feet into bedrock or to a sufficient depth to confirm weathered bedrock Depths are estimated to average between 3 to 10 feet

Samples will be collected continuously in tow foot intervals from the surface to approximately tow feet into bedrock, or the bottom of the trench. Two foot long core runs will be pushed using a hydraulic sampling tool (Geoprobe). Core samples will first be subjected to radiological field screening, the inspected visually under natural and ultra-violet light for signs of NAPLs, and finally screened fro VOCs as detailed below.

After the samples are screened for radiological contamination, they will be placed in sealed transparent containers. The samples will be inspected visually for evidence of liquid phase VOCs. They will be inspected under natural light for phase separated liquids and under an ultra violet light (black light) for florescence which indicates liquid phase VOCs. The soil samples inside the sealed containers will be warmed to approximately 20 degrees centigrade to allow any VOCs present in the soil samples to volatilize in the sealed container's head space. The head space in the sealed container will then be evaluated with an organic vapor analyzer (OVA). Samples with OVA readings of 10 or greater parts per million will be considered contaminated with VOCs. The samples will the be placed in plastic bags for storage. Soil Gas Sampling and Field Analysis (5-21000-ER-OPS-GT 09) procedures will be utilized during the soil sampling.

All laboratory work will be done according to the US Environmental Protection Agency's (USEPA's) Contract Lab Program (CLP) standards The CLP-type analysis is outlined in the document entitled

"EG&G Rocky Flats, General Radiochemistry and Routine Analytical Service Protocol (GRRASP) version 3 0, 1994 "

Sample labeling, handling, and shipping shall be performed in accordance with FO 13, "Containerization, Preserving, Handling and Shipping of Soil and Water Samples"

#### 4. SAMPLE DESIGNATION

The location and depth interval of all subsurface materials, either solid or liquid, recovered from the IHSS during the course of this investigation will be recorded in the field log book. RFEDS location codes will be cross indexed to appropriate sample grid location designations in the field log book. Soil core and other material that is subject to only field screening will be identified by the sample location code and grid coordinates and depth interval where the sample is obtained. Samples undergoing VOC or radioisotope analysis will have RFEDS sample numbers applied to the container labels in the field. The numbers will be applied sequentially as the samples are collected and the COC form is prepared. A block of sample numbers will be obtained from the RFEDS USM. A block of location codes and sample numbers will be of sufficient size to include the entire number of possible locations and samples scheduled for analysis and an additional twenty percent for potential additional locations and samples.

#### 5. SAMPLING EQUIPMENT AND PROCEDURES

Sampling will be conducted through the use of the Geoprobe, equipped for core recovery and liquid sampling. The core recovery equipment will be operated in accordance with procedures presented in GT 02, subsection 5 3 5 and as modified by GT 39, Push Subsurface Soil Sample. Should free product be encountered in any of the boreholes, an attempt will be made to collect a liquid sample and submit it for analysis.

Approximately 3 water samples may be recovered from boreholes VOC analyses and rad screens will be conducted per the methods specified in Table 3-2 and procedure 5-21000-OPS-FO 18 Environmental Sample Radioactivity Content Screening

#### 5.1. Sample Handling and Analysis

Core or liquid samples will first be subject to field screening by visual techniques, by PID instruments or field gas chromatograph, or immunoassay techniques operated in accordance with procedures GT 09, Soil gas Sampling and Field Analysis, subsections 5 1 and 5 2, FO 15 Photoionization Detectors and Flame Ionization Detectors, GT However, calibration verification will only be performed daily for PID instruments and not after every 20 samples. Headspace analysis may be performed utilizing Ziploc<sub>T</sub> baggies. Observable staining and/or detector readings above ambient background levels in the IHSS will qualify the sample for further laboratory analysis. A representative fraction of the soil core or liquid will be transferred to the sample containers and the containers will be labeled and transported in accordance with the procedures listed in Tables 5-1 and 5-2. Liquid samples will be collected with a peristaltic pump per GW 06, "Groundwater Sampling" and or with the sampler drive tube

#### 5.2. Documentation

A field notebook will be created and maintained for the project by the project manager or their designee This will be used in conjunction with the appropriate field data forms required by the operating procedures (Table 5-1) governing the field activities occurring during this project. It is not necessary to duplicate items recorded on field data forms in the field notebook, but if additional clarification of entries on the forms is required, they should be recorded in the field notebook. The field notebook should include time and date information concerning the field activities and a sketch map of actual sample locations with a cross index of sample location IDs, RFEDS and other sample numbers, and COC numbers Information not specifically required by the field data forms should be recorded in the field notebook. Soil cores will be logged in accordance with GT 01, "Logging Alluvial and Bedrock Material" with sufficient detail in the field that detailed logging will not be performed Soil core observations will be recorded on Form GT 1A, Rocky Flats Plant Borehole Log and not on Form GT 1B, Preliminary Well-Site Field Log Soil core will be screened for VOCs and radioactive contaminants, a portion or portions from different intervals of the same core run will be used for ambient temperature headspace (ATH) readings per GT 09, and the remaining sections of core will be placed into Ziploc bags before placement in a core box for future reference Samples for ATH will be labeled with location code and depth interval Soil samples will not have to be photographed

Deviations from GW 06, "Groundwater Sampling" for the collection of DNAPL are described below Water levels will be estimated from ground surface and a product interface probe will not be used unless conditions allow using a water level meter Measurement of field parameters pH, temperature, alkalinity, specific conductance, and total alkalinity will not be required as well as purging of the borehole

## TABLE 5-1 FIELD AND ADMINISTRATIVE STANDARD OPERATING PROCEDURES

#### IDENTIFICATION NUMBER. PROCEDURE TITLE.

5-21000-OPS-FO 3	General Equipment Decontamination
5-21000-OPS-FO 6	Handling of Personal Protective Equipment
5-21000-OPS-FO 7	Handling of Decontaminated Water and Waste Water
5-21000-OPS-FO 10	Receiving, Labeling, and Handling Environmental Materials
	Containers
5-21000-OPS-FO 11	Field Communications
5-21000-OPS-FO 12	Decontamination Facility Operations
5-21000-OPS-FO 13	Containerization Preserving, Handling, and Shipping of Soil
	and Water Samples
5-21000-OPS-FO 14	Field Data Management
5-21000-OPS-FO 15	Photoionization Detectors and Flame Ionization Detectors
5-21000-OPS-FO 16	Field Radiological Measurements
5-21000-OPS-FO 18	Environmental Sample Radioactivity Content Screening
4-B11-ER-OPS-FO 25	Shipping Limited Quantities of Radioactive Materials in
	Samples
5-21000-ER-OPS-GT 01	Logging Alluvial and Bedrock Material
5-21000-ER-OPS-GT 02	Drilling and Sampling Using Hollow Stem Auger
	Techniques
5-21000-ER-OPS-GT 05	Plugging and Abandonment Boreholes
5-21000-ER-OPS-GT 09	Soil Gas Sampling and Field Analysis
4-S64-ER-OPS-GT 39	Push Subsurface Soil Sample
5-21000-ER-OPS-GW 06	Groundwater Sampling
1-50000-ADM-12 01	Control of Measuring and Test Equipment

TABLE 5-2
LABORATORY STANDARD OPERATING PROCEDURES

#### **ANALYTICAL SUITE**

**VOCs** 

#### **CONTROLLING DOCUMENTS**

Title 40 of the Codes of Federal Regulation Part 264
Appendix IX Methods 8240 and others applicable to
TCL-VOA in soils All laboratory analyses will also
adhere to protocols specified in Parts A and B of the
RFETS General Radiochemistry and Routine Analytical

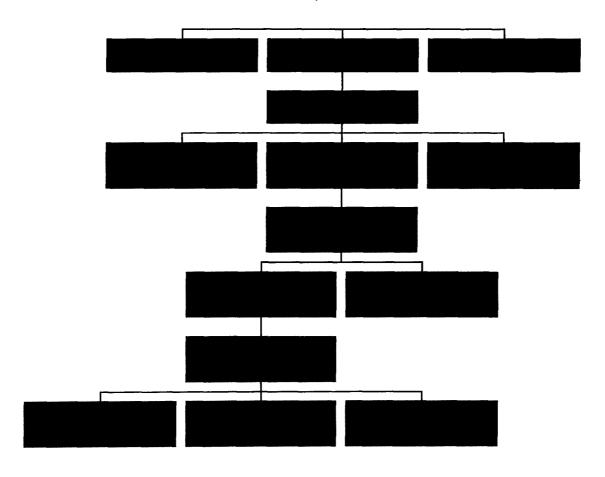
Services Protocol (GRRASP)

Radionuclides Part B of the GRRASP

#### 6. PROJECT ORGANIZATION

For the purpose of this investigation the work breakdown structure shown in Figure 1-3 shall be implemented

FIGURE 1-3
PRE-REMEDIATION INVESTIGATION OF THE MOUND, 903 PAD AND TRENCH T-1 ORGANIZATION CHART



#### 7. DATA MANAGEMENT and QUALITY CONTROL

Data management and Quality Control issues are addressed in Sections 2 4 and 3 0 of the RFETS OU-2 Trenches and Mound Site Characterization Work Plan, February 1995, RF/ER-95-0010

8. APPENDIX A VOC DETECTS FOR GROUNDWATER

A ON FEAL         11-May-84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         108 SAREC           C ON FEAL         11-May-84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         1017 SAREC           C ON FEAL         11-May-84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         1017 SAREC           C ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         96 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         97 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         97 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         97 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         97 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         97 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         460-00-4         97 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         17-69-00-4         97 SAREC           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         17-18-4         11 (UGA           A ON FEAL         17-FEB -84 (NOASS42 TRG BROMOFLUGROBENEENE         17-18-4         11 (UGA		Smpl Date Group Ty	p. Chemical Name	Code	Result Massure o	Ousi Detect Metrix
WILL         T. HARLAGO BONGROUND REAL         2199-69-1         107 Whee           OWI         FEAL         30-Nov-98 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         107 Whee           OWI         FEAL         30-Nov-98 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         103 Whee           OWI         FEAL         30-Nov-98 (VASSA2 2 TRS 112-DICHORDENCENE)         460-00-4         98 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         460-00-4         98 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         98 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         98 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         98 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         98 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         98 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         21 Whee           OWI         FEAL         17-Feb-94 (VASSA2 2 TRS 112-DICHORDENCENE)         2199-69-1         21 USA		11-May-94 VOA524 2	BROMOFLUOROBENZENE	460-00-4	108 %BEC	G 3 MATER
A		11-May-94 VOA524 2	-	2199-69-1	107 %REC	0 5 WATER
A W   REAL   17-RE-B-SH   VOASZ2   TR   BINOMOFILORGENZENE   ACCORDA-   103 % ACCORDA-   ACCORDA-	ĺ	30-Nov-93 VOA524 2	_	460-00-4	104 %	0 3 WATER
March   Marc		30-NOV-93 VOA524 2	1,2-DICHLOROBENZENE-D4	2199-69-1	103 %	0 5 WATER
(A) WERL         15.7. Money 24 (NOASSA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) WERL         15.7. MONESA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) MERL         15.7. MONESA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) MERL         15.7. MONESA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) MERL         15.7. MONESA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) MERL         15.7. MONESA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) MERL         15.7. MONESA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) MERL         15.7. MAR-29 INOASZA 2 IND 12-DICHOROBENZENE DA 2189-86-1         91 S/REC           (A) MERL         15.7. MAR-29 INOASZA 2 IND 12-DICHOROBENZENE DA 2189-86-1         15 UGA           (A) MERL         15.7. MAR-29 INOASZA 2 IND 12-DICHOROBENZENE DA 2189-86-1         15 UGA           (A) MERL         15.7. MAR-29 INOASZA 2 IND 15-DICHOROBENZENE DA 2189-86-1         16 UGA           (A) MERL         15. MONESA 2 IND 15-DICHOROBENZENE DA 2189-86-1         16 UGA           (A) MERL         15. MONESA 2 IND 15-DICHOROBENENE INCREASED SIZE A 11 UGA         17 UGA           (A) MERL         15. MONESA 2 IND 15-DICHOROBENENE INCREASED SIZE A 11 UGA         17 UGA         17 UGA           (A) MERL         <		17-FED-94 VOA524 Z	BHOMOFLUOROBENZENE	460-00-4	96 %REC	0 3 WATER
(A)         (A)         (B)         (B) <td></td> <td>25 Aug 04 VOA524 Z</td> <td>BROMOFLUOROBENZENE</td> <td>460-00-4</td> <td>93 %REC</td> <td>0 3 WATER</td>		25 Aug 04 VOA524 Z	BROMOFLUOROBENZENE	460-00-4	93 %REC	0 3 WATER
Colored   Colo	3	17 No. 04 VOA524 2	1,2-DICHLOROBENZENE-D4	2199-69-1	92 %REC	0 5 WATER
Column   C	3	17-Nov-94 VOA524 2	1,2-DICHLOROBENZENE-D4	2199-69-1	91 %REC	0 5 WATER
1.5   1.5		25-Aug-94 VOA524 2	BROMOFLUOROBENZENE	460-00-4	91 %REC	O 3 WATER
Color   Colo			BROMOFLUOROBENZENE	460-00-4	90 %REC	O 5 WATER
Color   Colo		1	1,2-DICHLOROBENZENE-D4	2199-69-1	89 %REC	O S WATED
17-181-24   17-181-25   100ACD   100ACD   17-181-25   100ACD   100ACD   17-181-25   100ACD   100ACD   17-181-25   100ACD   100ACD   100ACD   17-181-25   100ACD   1	3 6	1	1,2-DICHLOROBENZENE-D4	2199-69-1	83 %REC	O 5 WATER
Interaction   Colorest   Colore	3	17-Mar-92 VOA502 2	METHYLENE CHLORIDE	75-09-2	22 UG/I	O O WATED
May 22   VOASS2 2   TRS   TETRACHLOROCTHENE   127-18-4   16   UGAL	70	25-Nov-91 VOACLP	ACETONE	67-64-1	21 UG/KG	101
Wildle   1-Way-22   VOA624 2   TR3   METHYLEIR CHLORIDE   75-09-2   14   UGAL		14-May-92 VOA502 2	TETRACHLOROETHENE	127-18-4	16 UG/L	0 0
State   Stat		14-May-92 VOA502 2	METHYLENE CHLORIDE	75-09-2	14 UG/L	0 01
OWN REAL         2-Mar-39 (VOASS4 2) THG TETRACHLOROETHENE         127-18-4         1 g) UG/L           OW REAL         2-Mar-39 (VOASS4 2) THG TETRACHLOROETHENE         127-18-4         1 g) UG/L           OW REAL         2-Mar-39 (VOASS4 2) THG TETRACHLOROETHENE         127-18-4         1 g) UG/L           OW REAL         2-Aug-39 (VOASS4 2) THG TETRACHLOROETHENE         127-18-4         1 l) UG/L           OW REAL         2-Aug-39 (VOASS4 2) THG TETRACHLOROETHENE         127-18-4         1 l) UG/L           OW REAL         2-Aug-39 (VOASS4 2) THG TETRACHLOROETHENE         127-18-4         1 l) UG/L           OW REAL         19-Dec-31 (VOASS2 2) THG TETRACHLOROETHENE         127-18-4         9 UG/L           OW REAL         19-Dec-31 (VOASS2 2) THG TETRACHLOROETHENE         127-18-4         9 UG/L           OW REAL         19-Dec-31 (VOASS2 2) THG TETRACHLOROETHENE         127-18-4         7 UG/L           OW REAL         17-Nov-94 (VOASS2 2) THG TETRACHLOROETHENE         127-18-4         7 UG/L           OW REAL         17-Mar-92 (VOASS2 2) THG TETRACHLOROETHENE         127-18-4         3 UG/L           OW REAL         17-Mar-92 (VOASS2 2) THG TETRACHLOROETHENE         127-18-4         3 UG/L           OW REAL         17-Mar-92 (VOASS2 2) THG TETRACHLOROETHENE         127-18-4         3 UG/L           OW REAL<		5-Nov-92 VOA524 2	TETRACHLOROETHENE	127-18-4	14 UG/L	0 2 WATER
GW         REAL         1-7-Mary-92 (VOA524 2)         TRETACHLOROETHENE         127-18-4         13 UGAL           GW         REAL         5-NOV-92 (VOA524 2)         TRG TETRACHLOROETHENE         127-18-4         12 UGAL           GW         REAL         11-May-94 (VOA524 2)         TRG TETRACHLOROETHENE         127-18-4         11 UGAL           GW         REAL         25-Aug-93 (VOA524 2)         TRG TETRACHLOROETHENE         127-18-4         11 UGAL           GW         REAL         3-May-93 (VOA524 2)         TRG TETRACHLOROETHENE         127-18-4         11 UGAL           GW         REAL         3-May-93 (VOA524 2)         TRG TETRACHLOROETHENE         127-18-4         9 UGAL           GW         REAL         17-Nov-94 (VOA522 2)         TRG TETRACHLOROETHENE         127-18-4         9 UGAL           GW         REAL         17-Nov-94 (VOA522 2)         TRG TETRACHLOROETHENE         127-18-4         9 UGAL           GW         REAL         17-Nov-94 (VOA522 2)         TRG TETRACHLOROETHENE         127-18-4         9 UGAL           GW         REAL         17-Nov-95 (VOA524 2)         TRG TETRACHLOROETHENE         127-18-4         3 UGAL           GW         REAL         25-Nov-92 (VOA524 2)         TRG TETRACHLOROETHENE         127-18-4 <t< td=""><td></td><td>3-Aug-92 VOA524 2 THG</td><td>TETRACHLOROETHENE</td><td>127-18-4</td><td>13 UG/L</td><td>0 14 WATER</td></t<>		3-Aug-92 VOA524 2 THG	TETRACHLOROETHENE	127-18-4	13 UG/L	0 14 WATER
GW         REAL         17.007-24         TR         TETRACHLOROETHENE         127.18-4         12 UGAL           GW         REAL         23-Aug-93         VOA524 2         TRG         TETRACHLOROETHENE         127.18-4         11 UGAL           GW         REAL         23-Aug-93         VOA524 2         TRG         TETRACHLOROETHENE         127.18-4         11 UGAL           GW         REAL         33-May-93         VOA524 2         TRG         TETRACHLOROETHENE         127.18-4         11 UGAL           GW         REAL         13-May-93         VOA522 2         TRG         TETRACHLOROETHENE         127.18-4         9 UGAL           GW         REAL         17-Nov-94         VOA522 2         TRG         TETRACHLOROETHENE         127.18-4         9 UGAL           GW         REAL         17-Nov-94         VOA522 2         TRG         TETRACHLOROETHENE         127.18-4         7 UGAL           GW         REAL         17-Nov-95         VOA522 2         TRG         TETRACHLOROETHENE         127.18-4         6 UGAL           GW         REAL         17-Nov-95         VOA522 2         TRG         TETRACHLOROETHENE         127.18-4         6 UGAL           GW         REAL         17-Nov-95         <		5 Nov 00 VOA524 Z ING	IEIRACHLOROETHENE	127-18-4	13 UG/L	0 1 WATER
GW         REAL         27-184         12         UGAL           GW         REAL         27-184-3         INDEAL         17-184-3         11         UGAL           GW         REAL         25-Aug-93         VOASS42         TRG         TETRACHLOROETHENE         127-18-4         11         UGAL           GW         REAL         35-May-93         VOASS42         TRG         TETRACHLOROETHENE         127-18-4         1         UGAL           GW         REAL         35-May-93         VOASS42         TRG         TETRACHLOROETHENE         127-18-4         7         1         UGAL           GW         REAL         17-Nov-91         VOASS42         TRG         TETRACHLOROETHENE         127-18-4         7         1         UGAL           GW         REAL         17-Reb-94         VOASS42         TRG         TETRACHLOROETHENE         127-18-4         7         1         UGAL           GW         REAL         17-Reb-94         VOASS42         TRG         TETRACHLOROETHENE         127-18-4         7         UGAL           GW         REAL         17-Mar-92         VOASS42         TRG         TETRACHLOROETHENE         127-18-4         7         UGAL           GW		11-May-04 VOA524 2 DD	TETRE	127-18-4	12 UG/L	0 2 WATER
GW         REAL         25-Augu-94 (OAGS42   TRG TETRACHLOROETHENE         127-18-4         11 UGAL           9 (M) REAL         3-Augu-93 (VOAGS42   TRG TETRACHLOROETHENE         127-18-4         1 1 UGAL           1 (M) REAL         3-Augu-93 (VOAGS42   TRG TETRACHLOROETHENE         127-18-4         9 UGAL           1 (M) REAL         19-Dec-91 (VOAGS22   TRG TETRACHLOROETHENE         127-18-4         9 UGAL           1 (M) REAL         17-Nov-92 (VOAGS42   TRG TETRACHLOROETHENE         127-18-4         7 1 UGAL           1 (M) REAL         17-Nov-91 (VOAGS22   TRG METHYLENE CHLOROETHENE         127-18-4         7 1 UGAL           1 (M) REAL         17-Reb-94 (VOAGS42   TRG TETRACHLOROETHENE         127-18-4         7 1 UGAL           1 (M) REAL         24-Ama-93 (VOAGS42   TRG TETRACHLOROETHENE         127-18-4         5 UGAL           1 (M) REAL         25-Augu-94 (VOAGS42   TRG TETRACHLOROETHENE         127-18-4         5 UGAL           1 (M) REAL         25-Augu-93 (VOAGS42   TRG TETRACHLOROETHENE         127-18-4         3 UGAL           1 (M) REAL         25-Augu-93 (VOAGS42   TRG TRICHLOROETHENE         127-18-4         3 UGAL           1 (M) REAL         5-Nov-92 (VOAGS42   TRG TRICHLOROETHENE         17-09-6         0 6 UGAL           1 (M) REAL         2-Nov-92 (VOAGS42   TRG TRICHLOROETHENE         17-09-6         0	3	23-A12-02 VOA524 2	IETRACHLOROETHENE	127-18-4	12 UG/L	0 2 WATER
GW         REAL         3-May-93 VOA524 2         TRA         TETRACHLOROETHENE         127-18-4         11 UG/L           GW         REAL         3-May-93 VOA524 2         TRG         TETRACHLOROETHENE         127-18-4         9 UG/L           GW         REAL         19-Dec-91 VOA522 2         TRG         TETRACHLOROETHENE         127-18-4         7 UG/L           GW         REAL         17-Nov-94 VOA522 2         TRG         METHYLENE CHLOROETHENE         127-18-4         7 UG/L           GW         REAL         17-Feb-94 VOA522 2         TRG         TETRACHLOROETHENE         127-18-4         6 UG/L           GW         REAL         17-Feb-94 VOA522 2         TRG         TETRACHLOROETHENE         127-18-4         6 UG/L           GW         REAL         17-Mar-92 VOA522 2         TRG         TETRACHLOROETHENE         127-18-4         6 UG/L           GW         REAL         17-Mar-92 VOA522 2         TRG         TETRACHLOROETHENE         127-18-4         3 LUG/L           GW         REAL         25-Nov-91 VOA524 2         TRG         TETRACHLOROETHENE         127-18-4         3 LUG/L           GW         REAL         5-Nov-92 VOA524 2         TRG         TRICHLOROETHENE         127-18-4         3 LUG/L	€	25-Aug-33 VOA324 Z	TETRACHLOROETHENE	127-18-4	11 UG/L	0 1 WATER
GW         REAL         30-Nov-93 VOA524 2         TRIAD         TEL MACH LOHO ETHENE         127-18-4         9 UG/L           GW         REAL         19-Dec-91 VOA522 2         TRG         TETRACHLORO ETHENE         127-18-4         7 1 UG/L           GW         REAL         17-Nov-94 VOA522 2         TRG         TETRACHLORO ETHENE         127-18-4         7 1 UG/L           GW         REAL         17-Nov-94 VOA522 2         TRG         TETRACHLORO ETHENE         127-18-4         7 1 UG/L           GW         REAL         17-Feb-94 VOA522 2         TRG         TETRACHLORO ETHENE         127-18-4         6 UG/L           GW         REAL         17-Mar-92 VOA522 2         TRG         TETRACHLORO ETHENE         127-18-4         3 UG/L           GW         REAL         25-Nov-91 VOA524 2         TRG         TETRACHLORO ETHENE         127-18-4         3 UG/L           GW         REAL         25-Nov-92 VOA524 2         TRG         TETRACHLORO ETHENE         127-18-4         3 UG/L           GW         REAL         25-Nov-92 VOA524 2         TRG         TRACHLORO ETHENE         15-01-6         0 UG/L           GW         REAL         5-Nov-92 VOA524 2         TRG         TRICHLORO ETHENE         75-01-6         0 G/L	€	3-May-02 VOA604 0	THE ACHLOHOE HENE	127-18-4	11 UG/L	0 2 WATER
GW         REAL         19-Dec-91 VOA502 2         TR         TETRACHLOROETHENE         127-184         7 1 UG/L           GW         REAL         17-Nov-94 VOA502 2         TR         TETRACHLOROETHENE         127-184         7 1 UG/L           GW         REAL         17-Nov-94 VOA502 2         TR         TETRACHLOROETHENE         127-184         7 UG/L           GW         REAL         17-Feb-94 VOA502 2         TRG         METHYLENE CHLOROETHENE         127-184         6 UG/L           GW         REAL         17-Feb-94 VOA502 2         TRG         TETRACHLOROETHENE         127-184         6 UG/L           GW         REAL         17-Mar-92 VOA502 2         TRG         TETRACHLOROETHENE         127-184         3 UG/L           GW         REAL         17-Mar-92 VOA502 2         TRG         TETRACHLOROETHENE         127-184         3 UG/L           GW         REAL         25-Nov-91 VOA502 2         TRG         TRICHLOROETHENE         127-184         3 UG/L           GW         REAL         5-Nov-92 VOA502 2         TRG         TRICHLOROETHENE         10-0-6         0 UG/L           GW         REAL         5-Nov-92 VOA502 2         TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW </td <td>8</td> <td>30-Nov-93 VOA524 2</td> <td>TEL MACHLOHOETHENE</td> <td>127-18-4</td> <td>9 UG/L</td> <td>0 1 WATER</td>	8	30-Nov-93 VOA524 2	TEL MACHLOHOETHENE	127-18-4	9 UG/L	0 1 WATER
GW         REAL         13-70-08-31   VORGEZ   TRI         TETRACHLOROETHENE         127-18-4         7 1 UG/L           GW         REAL         13-70-08-31   VOAGEZ   TRI         TETRACHLOROETHENE         127-18-4         7 1 UG/L           GW         REAL         13-Dec-91   VOAGEZ   TRI         TETRACHLOROETHENE         75-09-2         6 46 UG/L           GW         REAL         17-Feb-94   VOAGEZ   TRI         TETRACHLOROETHENE         127-18-4         6 UG/L           GW         REAL         24-Mar-95   VOAGEZ   TRI         TETRACHLOROETHENE         127-18-4         6 UG/L           GW         REAL         25-Nov-91   VOAGEZ   TRI         TETRACHLOROETHENE         127-18-4         3 LUG/R           GW         REAL         25-Nov-92   VOAGEZ   TRI         TETRACHLOROETHENE         127-18-4         3 LUG/R           GW         REAL         25-Nov-92   VOAGEZ   TRI         TRICHLOROETHENE         75-09-2         1 UG/L           GW         REAL         5-Nov-92   VOAGEZ   TRI         TRICHLOROETHENE         79-01-6         0 8 UG/L           GW         REAL         2-Mar-92   VOAGEZ   TRI         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         2-Mar-92   VOAGEZ   TRI         TRICHLOROETHENE         79-01-6         <	€	19-00-01 10-00-01	TELHACHLOROETHENE	127-18-4	9 UG/L	0 1 WATER
GW         REAL         19-Dec-31         VOASZ4 2         TRI         TETRACHLOROETHENE         75-09-2         6 46         UGL           GW         REAL         17-Feb-94         VOASZ4 2         TRG         METHACHLOROETHENE         127-184         6 UGL           GW         REAL         24-Mar-95         VOASZ4 2         TRG         TETRACHLOROETHENE         127-184         6 UGL           J2         BH         TETRACHLOROETHENE         127-184         3 LGL           J2         BH         TETRACHLOROETHENE         127-184         3 LGL           J2         BH         TETRACHLOROETHENE         127-184         3 LGL           GW         REAL         25-Nov-91         VOASZ4 2         TRG         TETRACHLOROETHENE         127-184         3 LGL           GW         REAL         25-Nov-92         VOASZ4 2         TRG         TETRACHLOROETHENE         73-01-6         0 8 UGL           GW         REAL         5-Nov-92         VOASZ4 2         TRG         TRICHLOROETHENE         73-01-6         0 6 UGL           GW         REAL         5-Nov-92         VOASZ4 2         TR         TRICHLOROETHENE         73-01-6         0 6 UGL           GW         REAL         2-Mar-93 </td <td>8</td> <td>17-Nov-94 VOA594 9</td> <td>TETTO ACHLOHOETHENE</td> <td>127-18-4</td> <td>- 1</td> <td>0 02 WATER</td>	8	17-Nov-94 VOA594 9	TETTO ACHLOHOETHENE	127-18-4	- 1	0 02 WATER
GN         REAL         17-Feb-30 (VAS524 z)         IRS         IRTRACHLOROETHENE         75-09-2         6 46 UGAL           GN         REAL         24-Mar-95 (VAS524 z)         IRS         TETRACHLOROETHENE         127-18-4         6 UGAL           GW         REAL         24-Mar-95 (VAS524 z)         IRS         TETRACHLOROETHENE         127-18-4         6 UGAL           GW         REAL         25-Nov-91 (VAS524 z)         IRG         TETRACHLOROETHENE         127-18-4         3 LUGAL           GW         REAL         25-Nov-92 (VAS524 z)         IRG         TETRACHLOROETHENE         75-09-2         1 UGAL           GW         REAL         5-Nov-92 (VAS524 z)         IRG         TRICHLOROETHENE         75-09-2         1 UGAL           GW         REAL         5-Nov-92 (VAS524 z)         IRG         TRICHLOROETHENE         75-09-2         1 UGAL           GW         REAL         17-Mar-92 (VAS524 z)         IRG         TRICHLOROETHENE         75-01-6         0 RB-8B-3         0 72 UGAL           GW         REAL         17-Nov-94 (VAS524 z)         IRG         IRCHLOROETHENE         75-09-2         0 6 UGAL           GW         REAL         17-Mar-92 (VAS524 z)         IRG         IRCHLOROETHENE         75-09-2         0	8	19-Dec-01 VOA502 2	MET IN THE CHICAGO	127-18-4	7 UG/L	0 2 WATER
GW         REAL         24-Mar-95         VOA524 2         TRI         TETRACHLOROETHENE         127-18-4         6         UG/L           GW         REAL         24-Mar-95         VOA524 2         TRI         TETRACHLOROETHENE         127-18-4         3         UG/L           J2         HEAL         25-Nov-91         VOA524 2         TRG         TETRACHLOROETHENE         127-18-4         3         UG/L           GW         REAL         25-Nov-92         VOA524 2         TRG         METHYLENE CHLORIDE         75-09-2         1         UG/L           GW         REAL         5-Nov-92         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0         8         UG/L           GW         REAL         5-Nov-92         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0         8         UG/L           GW         REAL         2-Mar-92         VOA524 2         TRG         TRICHLOROETHENE         75-09-2         0 <td< td=""><td>8</td><td>17-Feb-94 VOA534 2</td><td>TETO ACT IN CROMME INTO IN</td><td>75-09-2</td><td>4</td><td>0 01 WATER</td></td<>	8	17-Feb-94 VOA534 2	TETO ACT IN CROMME INTO IN	75-09-2	4	0 01 WATER
GW         REAL         17-Mar-92         VOA502 2         TRG         TETRACHLOROETHENE         127-18-4         6 UG/L           J2 BH         REAL         25-Nov-92         VOA524 2         TRG         TETRACHLOROETHENE         127-18-4         3 UG/L           GW         REAL         23-Aug-93         VOA524 2         TRG         METHYLENE CHLORIDE         75-09-2         1 UG/L           GW         REAL         5-Nov-92         VOA524 2         TRG         MCHLOROETHENE         79-01-6         0 B UG/L           GW         REAL         5-Nov-92         VOA524 2         TRICHLOROETHENE         79-01-6         0 B UG/L           GW         REAL         17-Mar-92         VOA524 2         TRICHLOROETHENE         75-09-2         0 G UG/L           GW         REAL         17-Nov-92         VOA524 2         TRI         METHYLENE CHLORIDE         75-09-2         0 6 UG/L           GW         REAL         17-Nov-92         VOA524 2         TRI         METHYLENE CHLORIDE         75-09-2         0 6 UG/L           GW         REAL         17-Mar-92         VOA524 2         TRG         TRICHLOROETHENE         75-01-6         0 5 UG/L           GW         REAL         17-Mar-93         VOA524 2	8	24-Mar-95 VOA524 2	TETRACHLOROE IMENE	127-18-4	6 UG/L	0 2 WATER
J2 BH         REAL         25-Nov-91         VOACLP         TRG         TETRACHLOROETHENE         127-18-4         3 2 UG/L           GW         REAL         23-Aug-93         VOA524 2         TRG         METHYLENE CHLORIDE         75-09-2         1 UG/L           GW         REAL         5-Nov-92         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 8 UG/L           GW         REAL         5-Nov-92         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 8 UG/L           GW         REAL         17-Mar-92         VOA524 2         TRG         TOLUENE         108-88-3         0 72 UG/L           GW         REAL         17-Nov-94         VOA524 2         TRG         UNKNOWN         TIC         0 68 UG/L           GW         REAL         17-Nov-94         VOA524 2         TR1         TRICHLOROETHENE         79-01-6         0 6 UG/L           GW         REAL         17-Mar-92         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         23-Aug-93         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93         <	8	$\neg$	TETRACHLOROE I HENE	127-18-4	6 UG/L	0 2 WATER
GW         REAL         23-Aug-93 VOA524 2         TRG         METHYLENE CHLORIDE         127-18-4         3 UG/KG         J           GW         REAL         5-Nov-92 VOA524 2         TRG         TRICHLOROETHENE         79-01-6         1 UG/L           GW         REAL         5-Nov-92 VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 8 UG/L           GW         REAL         17-Mar-92 VOA522 2         TRG         TOLUENE         75-09-6         0 8 UG/L           GW         REAL         17-Nov-94 VOA524 2         TR1 METHYLENE CHLORIDE         75-09-2         0 6 UG/L         J           GW         REAL         17-Nov-94 VOA524 2         TR3 TRICHLOROETHENE         79-01-6         0 5 UG/L         J           GW         REAL         17-Mar-92 VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         23-Aug-93 VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93 VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93 VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 4 UG/L <td>Ŧ</td> <td>1</td> <td>TETBACH ODOLETICAL</td> <td>127-18-4</td> <td></td> <td>0 02 WATER</td>	Ŧ	1	TETBACH ODOLETICAL	127-18-4		0 02 WATER
GW         REAL         5-Nov-92 (VOA524 2)         TRICHLOROETHENE         75-09-2         1 UG/L           GW         REAL         5-Nov-92 (VOA524 2)         TRCHLOROETHENE         79-01-6         1 UG/L           GW         REAL         17-Mar-92 (VOA524 2)         TRCHLOROETHENE         79-01-6         0 8 UG/L           GW         REAL         17-Mar-92 (VOA524 2)         TRC (UNKNOWN         TIC         0 68 UG/L           GW         REAL         17-Nov-94 (VOA524 2)         TRI METHYLENE CHLORIDE         75-09-2         0 6 UG/L           GW         REAL         17-Mar-92 (VOA524 2)         TRG TRICHLOROETHENE         75-09-6         0 5 UG/L           GW         REAL         17-Mar-92 (VOA524 2)         TRG TRICHLOROETHENE         75-09-6         0 5 UG/L           GW         REAL         23-Aug-93 (VOA524 2)         TRG TRICHLOROETHENE         75-09-6         0 5 UG/L           GW         REAL         25-Aug-94 (VOA524 2)         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         2-Mar-93 (VOA524 2)         TRG TRICHLOROETHENE         79-01-6         0 4 UG/L		23-Aug-93 VOA594 9 TBG	METUNI ENIT OLI ODIOLI	127-18-4		5
GW         REAL         5-Nov-92 VOA524 2         INCRICH CORDETHENE         79-01-6         0 B UG/L           GW         REAL         17-Mar-92 VOA524 2         TRICH LOROETHENE         79-01-6         0 B UG/L           GW         REAL         17-Mar-92 VOA524 2         TRC UNKNOWN         TIC         0 6 B UG/L         J           GW         REAL         17-Nov-94 VOA524 2         TR3 TRICHLOROETHENE         75-09-2         0 6 UG/L         J           GW         REAL         17-Mar-92 VOA524 2         TRG TRICHLOROETHENE         75-09-4         0 57 UG/L           GW         REAL         23-Aug-92 VOA524 2         TRG TRICHLOROETHENE         75-09-4         0 57 UG/L           GW         REAL         23-Aug-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         2-Mar-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 4 UG/L	₹	5-Nov-92 VOA524 2 TEG	TRICHI ODOETHENE	75-09-2	1 UG/L	0 1 WATER
GW         REAL         17-Mar-92 VOA522 2         TR         TOLUENE         79-01-6         0 8 UG/L           GW         REAL         2-Mar-92 VOA522 2         TR         TOLUENE         108-88-3         0 72 UG/L           GW         REAL         2-Mar-93 VOA524 2         TR1         METHYLENE CHLORIDE         75-09-2         0 6 UG/L         J           GW         REAL         17-Mar-92 VOA524 2         TRG TRICHLOROETHENE         75-09-4         0 57 UG/L           GW         REAL         23-Aug-92 VOA524 2         TRG TRICHLOROETHENE         75-09-4         0 57 UG/L           GW         REAL         23-Aug-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L		5-Nov-92 VOA524 2 IND	TOICHIODOTTITIE	79-01-6	1 UG/L	0 2 WATER
GW         REAL         2-Mar-93 VOA524 2 TC         UNKNOWN         TIC         0 68 UGAL         J           GW         REAL         17-Nov-94 VOA524 2 TR1 METHYLENE CHLORIDE         75-09-2         0 6 UGAL         J           GW         REAL         3-Aug-92 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 6 UGAL           GW         REAL         23-Aug-93 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 5 UGAL           GW         REAL         25-Aug-94 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 5 UGAL           GW         REAL         25-Aug-93 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 5 UGAL           GW         REAL         2-Mar-93 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 5 UGAL			TOUR OR OF THENE	79-01-6	0 8 UG/L	0 2 WATER
GW         REAL         17-Nov-94         VOA524 2         TR1         METHYLENE CHLORIDE         75-09-2         0 68         UGAL         J           GW         REAL         3-Aug-92         VOA524 2         TR3         TRICHLOROETHENE         79-01-6         0 6         UGAL           GW         REAL         23-Aug-93         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5         UGAL           GW         REAL         25-Aug-94         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5         UGAL           GW         REAL         2-Mar-93         VOA524 2         TRG         TRICHLOROETHENE         79-01-6         0 5         UGAL	€		OCCENE	108-88-3	0 72 UG/L	0 02 WATER
GW         REAL         3-Aug-92 VOA524 2 TRG         TRICHLOROETHENE         75-09-2         0 6 UG/L           GW         REAL         17-Mar-92 VOA524 2 TRG         TRICHLOROETHENE         75-69-4         0 57 UG/L         0           GW         REAL         23-Aug-93 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-93 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         2-Mar-93 VOA524 2 TRG         TRICHLOROETHENE         79-01-6         0 5 UG/L	8		MIT IN THE OFFICE	JC		WATER
GW         REAL         17-Mar-92 VOA502 2         TRCHLOROFLUOROMETHANE         79-01-6         0 6 UG/L           GW         REAL         23-Aug-93 VOA524 2         TRGHLOROFTHENE         79-01-6         0 5 UG/L           GW         REAL         25-Aug-94 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         2-Mar-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L		3-A110-92 VOA524 2 TDC	TOIS IN COORT IN IT	75-09-2	0 6 UG/L	0 2 WATER
GW         REAL         23-Aug-93 VOA524 2         TRICHLOROETHENE         75-69-4         0 57 UG/L           GW         REAL         23-Aug-94 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         2-Mar-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L	8	17-Mar-92 VOA502 2 TDC	TRICHLOROE I HENE	79-01-6	0 6 UG/L	0 3 WATER
GAV         REAL         25-Aug-94 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 5 UG/L           GW         REAL         2-Mar-93 VOA524 2         TRG TRICHLOROETHENE         79-01-6         0 4 UG/L	8		TRICHLOROPLUCHOME THANE	75-69-4	0 57 UG/L	0 34 WATER
GW REAL 2-Mar-93 VOA524 2 TRG TRICHLOROETHENE 79-01-6 0 4 UG/L	8		TRICHLOROETHENE	79-01-6	0 5 UG/L	0 1 WATER
79-01-6 0 4 UG/L	8		TRICALOROE I HENE	79-01-6	0 5 UG/L	0 2 WATER
		-1	INCOLLOROR IMENE	79-01-6	0 4 UG/L	0 1 WATER

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Unit Messure	3 UGA	JOK.	JG/L	JG/L	JG/L	ਲਿ	26	5		C	0/KG	67 LIG/KG	T		5																									79		g/L	G/L	
Result	0 3 (	0 3 UG/L	0 28 UG/L	0 2 UG/L	0 2 UGA	0 2 UG/L	0 13 L	0 1 UGA	0.071194	980 11G/KG	150 LG/KG	67	-	4	109 %	107 %	104	6 %	100	103 %	102 %	101 %	101 %	101 %	101 %	100 %	% 66	% 96	95 %	93 %	92 %	92 %	91 %	% 06	89 %	89 %	87 %	85 %	77 %	74 UG/L	24 UG/L	20 UG/L	8 UG/L	6 UG/L
Parameter Code	79-01-6	79-01-6	79-01-6	79-01-6	79-01-6	79-01-6	79-01-6	79-01-6	79-01-6	127-18-4	127-18-4	79-01-6	79-01-6	75-09-2	2037-26-5	460-00-4	17060-07-0	2037-26-6	202-1202	2007-70-0	2037-20-5	17060-07-0	460-00-4	460-00-4	2037-26-5	107-06-2	460-00-4	2037-26-5	460-00-4	2037-26-5	460-00-4	2037-26-5	17060-07-0	17060-07-0	17060-07-0	460-00-4	460-00-4	17060-07-0	17060-07-0	127-18-4	67-64-1	127-18-4	75-09-2	78-93-3
Chemical Name										¥	学			- H		ENE	E -D4				2	F-U4	I L	ENE		 	ENE		ENE		ENE		-04	-D4	-D4	ENE	ENE	<b>-</b> 54	-D4	IE .		ш	ш	
	TRICHLOROETHENE	TRICHLOROETHENE	TRICHLOROETHENE	TRICHLOROETHENE	TRICHLOROETHENE	TRICHLOROETHENE	TRICHLOROETHENE	TRICHLOROETHENE	TRICHLOROETHENE	TETRACHLOROETHENE	<b>TETRACHLOROETHENE</b>	TRICHLOROETHENE	TRICHLOROETHENE	METHYLENE CHLORIDE	TOLUENE - D8	BROMOFLUOROBENZENE	1,2 DICHLOROETHANE -D4	TOLUENE - D8	TOLUENE - D8	TOLUENE - D8	1 2 DICHI OBOETUANE DA	PROMOFILIOPORTAINE -DA	BROMOFLUOROBENZ	BROWOFLOOROBENZENE	1 OLUENE - D8	1,2-DICHLOHOE I HANE	BHOMOFLUOROBENZENE	IOLUENE - D8	BROMOFLUOROBENZENE	TOLUENE - D8	BHOMOFLUOROBENZENE	TOLUENE - D8	1,2 DICHLOROETHANE -D4	1,2 DICHLOROETHANE -D4	1,2 DICHLOROETHANE -D4	BROMOFLUOROBENZENE	BROMOFLUOROBENZENE	1,2 DICHLOROETHANE -D4	1,2 DICHLOROETHANE -D4	<b>TETRACHLOROETHENE</b>	ACETONE	TETRACHLOROETHENE	METHYLENE CHLORIDE	2-BUTANONE
	F	니	딘		F	-	Ę	Ę	THG	EG	DIL	<u> </u>	딥		ဌာ	THG	-	Œ	-		S	7						5 0	5 0			- 1	5 0	$\neg$	_	5	-	$\rightarrow$	-	-				2
Test Group Code	VOA524 2	VOA524 2	VOA502 2	VOA524 2	VOA524 2	VOA524 2	VOA502 2	VOA524 2	VOA502 2	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACI P	OAC! P	1040/		7040	מוסעטו	CACLT CACLT	CACLE CACLE	CACLE	CACLE	CACLE	CACLE	7 0	OACLP	OACLP	CACLE	Τ			T	Т	Т	T	7
Smpl Date	17-Feb-94 VOA524 2	17-Nov-94 VOA524 2	14-May-92 VOA502	3-May-93 VOA524 2	30-Nov-93 VOA524 2	24-Mar-95 VOA524 2	19-Dec-91 VOA502 2	11-May-94 VOA524 2	17-Mar-92 VOA502 2	4-Nov-91 VOACLP	4-Nov-91 VOACLP	4-Nov-91 VOACLP	4-Nov-91 VOACLP	4-Nov-91 VOACLP	19-Apr-91 VOACLP	30-Jul-92 VOACLP	19-Apr-91 VOACLP	19-Aug-91 VOACLP	6-Nov-92 VOACLP	23-Nov-91 VOACLP	28-May-92 VOACI P	19-A110-91 VOACI D	6-Nov-92 VOACI B	30- Inl-02 VOACLD	30- Inl-92 VOACLE	23-Nov-04 VOACLE	28-Eob on VOACLD	10 Apr 01	20 May 00 VOACLP	6 May 92 VOACLP	o-Mar-91 VOACLP	8-Mar-91 VOACLP	40 Ame of VOACLP	19-Aug-91 VOACLP	09 May 90 YOUNG	26-May-92 VOACLP	Z8-F8D-9Z VOACLP	8-Mar-91 VOACLP	Z3-NOV-91 VOACLP	3-May-89 VOACLP	8-Mar-91 VOACLP	9-May-88 VOACLP	40 Apr 04	19-Apr-91 VOACLP
Code	GW REAL	WEAL ST.				¥ ;	<u>₹</u>	REAL		REAL	절	REAL	AZ Z	절	M M	졆	찙	REAL	GW REAL	REAL	REA	REA	PEA (	GW PEAL	RFA	NEA PEA	Į Į Į	1 N							3 5					٢ ٢		3 2	Z 2	2
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Sample Number	GW00253GA	1701 GW001/53GA	1791 GWODERIAL	GWOJESTAN	1701 GW0102/WC	1701 GW02302GA	1400Z0701	1791 GW00760GA	1791 GW02598IT	2191 BH00115WCU2	2191 BH00115WCU2	2191 BH00115WCU2	2191 BH00115WCU2	2191 BH00115WCU2	2387 GW01126IT	2387 GW03256IT	2387 GW01126IT	2387 GW01669IT	2387 GW03816IT	2387 GW02032IT	2387 GW02845IT	2387 GW01669IT	GW03816IT	2387 GW03256IT	GW03256IT	2387 GW02032IT	2387 GW02405IT	2387 GW01126IT	2387 GW02845IT	GWOOGSOTT	2387 GW00939IT	GWOODEIT	GW01669IT	2387 GW03816IT	GWOORIT	2387 GWO240FIT	2387 GW0240311	COOL GWOODSHI	2307 GW0203211	2387 23-87-U3-89	2367 GW00939II	2387 23-87-03-03-88	2387 GW01126IT	10115011
	1701	1701	1791	1701	1701	1701	1701	1/91	1/91	2191 E	2191	2191 E	1912	2191 E	7867	2387 6	2387 6	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387 G	2387	2387	2387	2387	2387	0 7860	2007	2007	7000	2387 2	2007	2387 2	2387 G	2001

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Unit	4 UGA	UG/L	4 UG/L	3 UG/L	3 UG/L	UG/L	UG/L	- E	200	100	7007	2 107	2 1164	100	7 2	ָבָּ פַּ	OG/L	NG/L	UG/L	UG/L	UG/L	UG/L	NG/L	ng/l	UG/I	NG/L	nev	UG/L	ng/l	GAL	G/KG	G/KG	Z Z	G/KG	G/KG	G/KG	G/KG	G/KG	G/KG	G/KG	UG/KG	G/KG	G/KG	G/KG
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Parameter Code	108-10-1	67-64-1	75-09-2	67-64-1	67-64-1	75-09-2	75-09-2	75-09-2	127-18-4	67-66-3	74-87-3	75-09-2	75-09-2	75-09-2	75.00.2	407 40 4	127-18-4	127-18-4	108-88-3	79-01-6	56-23-5	127-18-4	127-18-4	127-18-4	127-18-4	127-18-4	127-18-4	127-18-4	127-18-4	56-23-5	108-88-3	JIC	56-23-5	108-88-3	TIC	TIC	JE	TIC	710	TIC	TIC	TIC	TIC	117-81-7
Res Typ Chemical Name		TRG ACETONE	C	$\overline{}$	$\neg \neg$	METHYLENE CHLORIDE	METHYLENE CHLORIDE	TRG METHYLENE CHLORIDE	-	_	_	+	_		1	-	_		$\neg$	_			TRG TETRACHLOROETHENE			TRG TETRACHLOROETHENE			TRG TETRACHLOROETHENE	TR1 CARBON TETRACHLORIDE	PEX TOLUENE	$\neg$		<b>/</b> 5	7		TC Aldol Condensation	Aldol Condensation	Aldol Condensation		Aldol Condensation		$\neg$	TRG BIS(2-ETHYLHEXYL)PHTHALATE
Test Group Code	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACI P	VOACI P		A CACL P	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	SNACLP	SNACLP	SNACLP	SNACLP	SNACLP	SNACLP	3NACL P	SNACLP	SNACLP	SNACLP
Smpl Date	8-Mar-91 VOACLP	1-Jun-90 VOACLP	21-Oct-87 VOACLP	20-Feb-90 VOACLP	21-Oct-87 VOACLP	21-Oct-87 VOACLP	19-Aug-91 VOACLP	20-Feb-90 VOACLP	3-Jan-89 VOACLP	7-Feb-89 VOACLP	13-Aug-90 VOACLP	8-Mar-91 VOACLP	1-Jun-90 VOACLP	1-Jun-90 VOACLP	1-Jun-90 VOACLP	13-Aug-90 VOACLP	13-Aug-90 VOACI P	1. In an VOACI D	06-1100-1	19-Apr-91 VOACLP	/-Aug-89 VOACLP	7-Aug-89 VOACLP	7-Aug-89 VOACLP	20-Feb-90 VOACLP	20-Feb-90 VOACLP	13-Aug-90 VOACLP	13-Aug-90 VOACLP	9-Nov-90 VOACLP	8-Mar-91 VOACLP	1-Sep-94 VOACLP	3-Mar-92 VOACLP	4-Mar-92 VOACLP	1-Sep-94 VOACLP	3-Mar-92 VOACLP	3-Mar-92 BNACLP	3-Mar-92 BNACLP	3-Mar-92 BNACLP	3-Mar-92 BNACLP	4-Mar-92 BNACLP	4-Mar-92 BNACLP	3-Mar-92 BNACLP	4-Mar-92 BNACLP	4-Mar-92 BNACLP	2-Mar-92 BNACLP
Code	GW REAL	2	GW REAL	3	W <sub>S</sub>	WS W	GW REAL	GW REAL	GW REAL	REAL	84	GW REAL	REAL	DUP	MS	GW MSD	MS	SNS.	2 V V V		₹ i	¥	3	Æ	EA.	PEAL.	ā	GW REAL	GW REAL	GW REAL	REAL T	EA :	EA.	EA :	¥ i	Z i	<u>4</u>	EA.	Æ	EN EN	EA.	Z :	4	¥
	2387 GW00939IT GW	2387 G23870601021C GW DUP	2387 23-87-10-21-87 GW	238 / G23870290001E GW DUP	238 / 23-87-10-21-875 GW MS	23-87-10-21-875	J			-89 GW	2387 GW00218IT GW FB	2387 GW00939IT GW	2387 G23870601020E GW REAL	2387 G23870601021C GW DUP	2387 G23870601021C GW MS	2387 GW00222IT GW		102	2387 GW01126IT GAV	8	WD 68-10-90-10-02 1000	238 / 23-8/-08-07-89 GW REAL		- 1	001 QV	₹		GW00583IT		₹	<u>F</u>	72 BH	<b>≩</b>	Ŧ :	E	<b>E</b>	Ŧ.	¥	퓹	围	图	Ŧ ;	Ŧ ;	6591 BH01251WCUZ BH

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Unit	19.	797	410 UG/KG	JG/L	390 UG/KG	380 UG/KG	19/	JG/KG	JG/L	360 UG/KG	IG/L	JG/KG	G/KG	IG/KG	G/KG	G/KG	IG/KG	G/KG	G/KG	G/KG	G/L	G/L	G/KG	G/KG	G/KG	G/KG	G/L	G/KG	G/KG	G/KG	G/KG	G/KG	G/L	G/KG	G/KG	જ	G/KG	જ	G/KG	G/KG	G/KG	G/KG	REC
Result	480 1167	410 UGA	410 [	400 UG/L	390	380	370 UG/L	370 UG/KG	360 UG/L	360	350 UG/L	350 UG/KG	340 UG/KG	340 UG/KG	330 UG/KG	330 UG/KG	330 UG/KG	320 UG/KG	310 UG/KG	310 UG/KG	290 UG/L	290 UG/L	280 UG/KG	280 UG/KG	270 UG/KG	250 UG/KG	240 UG/L	240 UG/KG	240 UG/KG	230 UG/KG	230 UG/KG	220 UG/KG	210 UG/L	190 UG/KG	180 UG/KG	180 UG/L	170 UG/KG	160 UG/L	150 UG/KG	130 UG/KG	120 UG/KG	120 UG/KG	112%
Parements Code	56-23-5	67-66-3	JIC	67-66-3	108-88-3	TIC	56-23-5	JIC	56-23-5	108-88-3	56-23-5	108-88-3	TIC	TIC	50-32-8	56-23-5	TIC	JIC	TIC	TIC	56-23-5	56-23-5	TIC	TIC	117-81-7	TIC	56-23-5	67-66-3	TIC	TIC	108-88-3	2	56-23-5	67-64-1	50-32-8	56-23-5	117-81-7	56-23-5	TIC	67-64-1	117-81-7	JIC	2037-26-5
Typ Cyp	R1 CARBON TETRACHLORIDE		_	$\neg$			$\neg$	IC Unknown-1	_	RG TOLUENE				_	$\neg$	$\neg$	_	$\neg$		7			_		$\neg$		$\overline{}$	$\neg$	$\neg$		$\neg$	_	_	$\neg$	_	-	$\neg$					$\neg$	I OLUENE - D8
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Group Code	12-May-94 VOACLP	27-Aug-92 VOA524 2	3-Mar-92 BNACLP	27-Aug-92 VOA524 2	3-Mar-92 VOACLP	3-Mar-92 BNACLP	17-Nov-92 VOA524 2	4-Mar-92 BNACLP	20-Jun-95 VOACLP	4-Mar-92 VOACLP	20-Jun-95 VOACLP	4-Mar-92 VOACLP	4-Mar-92 BNACLP	3-Mar-92 BNACLP	4-Mar-92 BNACLP	3-Mar-92 VOACLP	3-Mar-92 BNACLP	3-Mar-92 BNACLP	3-Mar-92 BNACLP	3-Mar-92 BNACLP	12-May-94 VOACLP	11-Nov-94 VOACLP	3-Mar-92 BNACLP	3-Mar-92 BNACLP	2-Mar-92 BNACLP	3-Mar-92 BNACLP	11-Nov-94 VOACLP	3-Mar-92 VOACLP	4-Mar-92 BNACLP	S BNACLP	4-Mar-92 VOACLP	Mai - 92 DIVACLE	14-IMAY-93 VOACLP	3-Mar-92 VOACLP	1 Sec 50 WOACLP	1-Sep-93 VOACLP	3-Mar-92 BNACLP	Z-Dec-93 VOACLP	3-Mar-92 BNACLP	4-Mar-92 VOACLP	4-Mar 92 MACLP	12-May 04 VOACLP	* VONCE
Smpl Date	12-May-	27-Aug-	3-Mar	Z/-Aug-	3-Mar	-war-	17-Nov-	4-Mar-	20-Jun-	4-Mar-	-20-7nu-	4-Mar-	4-Mar-	3-Mar-	4-Mar-	3-Mar-	3-Mar-	3-Mar-	3-Mar-	3-Mar-	12-May-	11-Nov-	3-Mar-	3-Mar-	2-Mar-	3-Mar-	-Nov-	3-Mar-	4-Mar-	S-Mar-	4-Mar-	- INIAI -	-t-IMBy-	S-Mar-	- INIBIC-	-dec-l	o-Mar-	z-nec-	3-Mar-	4-Mar-	A-Mar	12-May	- K-INIGY-
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Number	6591 GW00775GA	6591 GW034271T	4 CMODADAIT	6591 BH012611101	6591 BH01262MC112	6591 GIAMOSAZIT	6501 PU0107014/010	6504 CMOSSOOCA	1 DUOYOCASGA	6591 GMM2200CA	6501 BLOADEONICH	6591 BH01269WCUZ	6591 BH01267MCU2	6501 BH01260WCUZ	6501 BH012E6MCU2	6591 PHOTOETANOLIA	6591 BH01260MCUZ	6504 BHO40FEWOUS	SOUNCES I DEGLESS WOODS	6 GM007750 A	6501 GW00/7040A	6501 BUNNOL/U4GA	BHO1263WCUZ	6591 BH0125/WCU2	6501 BHOLZ49WCUZ	6501 CMO1704CA	6591 GWOL/O4GA	6591 BH01268MC112	6591 BH01265WC112	6591 BH01269WC112	BH01257WC112	6591 GW00746WC	6591 BH01264WC112	6591 BH01265WCI 12	6591 GW01245WC	6591 BH01265WC112	GWO1604WC	GEO 1 GWO 1004WC	GEOT BUOTSEAMOUS	6591 BH01257WC112	6591 BH01269WC112	6591 GW00775GA	
Location	659	650	600	650	659	650	850	800	000	850	850	850	650	650	650	850	950	600	800	1000	800	800	600	600	800	650	850	650	6501	650	6591	6591	6501	6501	6501	6501	8501	000	600	6501	6591	6591	

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Result	109	106	ě	10	10	100	10	10,	10,	10,	102	100	100	36	36	36	16	97	97	96	96	94	6	92	92	6	86	88	88	87	96	85	81	78	72	71	67	99	99	61	9	58	54
Parameter Code	460-00-4	17060-07-0	460-00-4	2037-26-5	2037-26-5	2037-26-5	460-00-4	17060-07-0	460-00-4	2037-26-5	2037-26-5	17060-07-0	2037-26-5	17060-07-0	17070-07-0	460-00-4	17070-07-0	460-00-4	2037-26-5	JE	2037-26-5	2037-26-5	17060-07-0	460-00-4	460-00-4	17060-07-0	460-00-4	108-88-3	17060-07-0	460-00-4	460-00-4	17060-07-0	67-66-3	67-66-3	67-66-3	67-66-3	56-23-5	75-09-2	108-88-3	67-66-3	117-84-0	50-32-8	108-88-3
fes Yp Chemical Name		$\overline{}$	$\overline{}$	$\neg$	TOLUENE - D8	TOLUENE - D8	BROMOFLUOROBENZENE	1,2 DICHLOROETHANE -D4	BROMOFLUOROBENZENE	TOLUENE - D8		1,2 DICHLOROETHANE -D4	TOLUENE - D8	1,2 DICHLOROETHANE -D4	1,2-DICHLOROETHANE-D4 (SURR)	BROMOFLUOROBENZENE	1,2-DICHLOROETHANE-D4 (SURR)	BROMOFLUOROBENZENE	TOLUENE - D8	Unknown	TOLUENE - D8	TOLUENE - D8	1,2 DICHLOROETHANE -D4	BROMOFLUOROBENZENE	BROMOFLUOROBENZENE	1,2 DICHLOROETHANE -D4	BROMOFLUOROBENZENE	TOLUENE	1,2 DICHLOROETHANE -D4	BROMOFLUOROBENZENE	BHOMOFLUOROBENZENE	1,2 DICHLOROETHANE -D4	CHLOHOFORM	CHLOROFORM	CHLOROFORM	CHLOROFORM	CARBON TETRACHLORIDE	METHYLENE CHLORIDE	TOLUENE	CHLOROFORM	DI-n-OCTYL PHTHALATE	BENZO(a)PYRENE	IOLUENE
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. "	27-Aug-92 VOA524	1-Sep-94 VOACLP	1-Sep-94 VOACLP	2-Dec-93 VOACLP	12-May-94 VOACLP	1-Sep-94 VOACLP	12-May-94 VOACLP	12-May-94 VOACLP	1-Sep-94 VOACLP	9-Mar-94 VOACLP	1-Sep-94 VOACLP	1-Sep-94 VOACLP	11-NOV-94 VOACLP	20 him or YOACLP	20-Jun-95 VOACLP	25 Hay-94 VOACLP	20-Jun-95 VOACLP	2-Dec-93 VOACLP	11-Nov-94 VOACLP	4-Mar-92 VOACLP	20-Jun-95 VOACLP	20-Jun-95 VOACLP	2-Dec-93 VOACLP	20-Jun-95 VOACLP	20-Jun-95 VOACLP	11-NOV-94 VOACLP	11-Nov-94 VOACLP	3-Mar-92 VOACLP	9-Mar-94 VOACLP	O Mor 04 VOACLP	11 Nov 04 VOACLP	10-May 00 WOASOO	17 Nov. 00 VOA504	10 Mov. 00 VOA504 2	Serinay-92 VOADUZ	O Mar of WOACLP	9-Mar-94 VOACLP	3-Mar-92 VOACLP	3-Mar-92 VOACLP	1-Sep-94 VOACLP	4-Mar-92 BNACLP	3-Mar.00 VOACLD	J-IVIGIT-32 VONOLF
ပ္ပ ဦ ဗိ	GW REAL		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		4 2				¥ :	4 : E								₹ ;			₹ 1	MEA Se	E P	A 1			$\neg$				Z Z	1	NO NO	\$ \int \int \int \int \int \int \int \int			3 3					NEA PEA	
		6501 GW01365GA GW						GW00175GA						GWOODGA				6501 GW01504WC GW	2	- 1	GWOZSBGA	GW0Z299GA	GWU1604WC	6E04 CWOZSBGA GW	6501 GW02299GA GW	GW01704GA	BH01963MC119	GWOOZEGA				GW02895IT	GW03847IT	GWOZROSIT	BH01256WC112	GWOOZEGA	2	BHO1256WC112	- 1	2	- 1		1

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Metrix		02 WATER		LIQUID		5 WATER	10 LIQUID	50 WATER		5 WATER	5 WATER	10 LIQUID		14 WATER		WATER						WATER	100 LIQUID									10 LIQUID	0 2 WATER	0 02 WATER								0 1 WATER	
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Unit	UG/KG	3/L	3/KG	3/	3/KG	37	3/	3/	3/KG	3/1	닍	3/	3/	3/	3/KG	3/	3/KG	3/KG	3/KG	3/KG	3/KG	37	UG/L	3/KG	3/	3L	3/L	3/KG	3/KG	UG/KG	UG/KG	UG/KG	3 UG/KG	UG/KG	UG/L	G/L							
Result	49 U	49 UG/L	47 UG/KG	45 UG/L	44 UG/KG	44 UG/L	44 UG/L	44 UG/L	44 UG/KG	43 UG/L	43 UG/L	42 UG/L	40 UG/L	40 UG/L	40 UG/KG	38 UG/L	37 UG/KG	37 UG/KG	35 UG/KG	33 UG/KG	33 UG/KG	32 UG/L	31 U	30 UG/KG	28 UG/KG	27 UG/KG	26 UG/KG	26 UG/KG	21 UG/KG	21 UG/KG	20 UG/KG	20 UG/L	19 UG/L	19 UG/L	19 UG/KG	18 UG/KG	17 U	17 U	15 U	13 U	120	12 U	12 UG/L
Parameter Code	56-23-5	56-23-5	일	67-66-3	50-32-8	67-66-3	67-66-3	67-66-3	JE J	56-23-5	67-66-3	67-66-3	10	56-23-5	108-88-3	67-66-3	56-23-5	알	108-88-3	108-88-3	일	67-66-3	67-66-3	110	일	일	108-88-3	TIC	56-23-5	67-66-3	67-64-1	67-66-3	56-23-5	56-23-5	67-66-3	67-64-1	JIC	TIC	67-66-3	67-64-1	67-64-1	67-66-3	TIC
b Chemical Name				$\neg$			CHLOROFORM	CHLOROFORM	Unknown-4	CARBON TETRACHLORIDE	CHLOROFORM		1				CARBON TETRACHLORIDE		TOLUENE		Unknown-2	CHLOROFORM	CHLOROFORM	Unknown-9	Unknown-8				$-\tau$	$\rightarrow$	$\neg$						Unknown C5H10-1		$\neg \neg$	-			Unknown
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Test Group Code	3-Mar-92 VOACLP	VOA502	4-Mar-92 VOACLP	VOACLP	4-Mar-92 BNACLP	VOACLP	VOACLP	VOACLP	4-Mar-92 VOACLP	VOA524 2	VOACLP	VOACLP	BNACLP	VOA524 2	3-Mar-92 VOACLP	VOACLP	3-Mar-92 VOACLP	4-Mar-92 VOACLP	3-Mar-92 VOACLP	3-Mar-92 VOACLP	4-Mar-92 VOACLP	VOACLP	VOACLP	4-Mar-92 VOACLP	4-Mar-92 VOACLP	4-Mar-92 VOACLP	3-Mar-92 VOACLP	4-Mar-92 VOACLP	3-Mar-92 VOACLP	VOACLP	3-Mar-92 VOACLP	9-Mar-94 VOACLP	VOA524 2	VOA502	VOACLP	2-Mar-92 VOACLP	VOACLP	3-Mar-92 VOACLP	3-Mar-92 VOACLP	2-Mar-92 VOACLP	2-Mar-92 VOACLP	VOA524 2	BNACLP
Smþl Date	3-Mar-92	19-May-92 VOA502 2	4-Mar-92	20-Jun-95 VOACLP	4-Mar-92	11-Nov-94 VOACLP	20-Jun-95 VOACLP	1-Sep-93 VOACLP	4-Mar-92	27-Aug-92 VOA524	14-May-93 VOACLP	12-May-94 VOACLP	10-Mar-93 BNACLP	27-Aug-92 VOA524 2	3-Mar-92	11-Nov-94 VOACLP	3-Mar-92	4-Mar-92	3-Mar-92	3-Mar-92	4-Mar-92	2-Dec-93 VOACLP	12-May-94 VOACLP	4-Mar-92	4-Mar-92	4-Mar-92	3-Mar-92	4-Mar-92	3-Mar-92	3-Mar-92 VOACLP	3-Mar-92	9-Mar-94	10-Mar-93 VOA524 2	19-May-92 VOA502 2	3-Mar-92 VOACLP	2-Mar-92	4-Mar-92 VOACLP	3-Mar-92	3-Mar-92	2-Mar-92	2-Mar-92	10-Mar-93 VOA524 2	4-Mar-92 BNACLP
Code	REAL	GW REAL	<b>X</b>	절	집	Ø REA	REA	젍	죑	Æ	REAL	찙	Æ	3	집	절	집	푎	푎	掘	쪞	EA.	REA F	REAL	찚	쭚	智	뎚	<b>A</b>	<b>X</b>	3	₹ 1	₹ 1	₹ 1	3	PEAL	A A	절	图图	Ä		<b>A</b>	SX SX
b	SU2 BH	<b>∂</b>	BH01269WCU2 BH	<b>≷</b>	J2 BH	₹	₹	<u>₹</u>	CU2 BH	გ	<b>∂</b>	₹	<b>₹</b>	8	22 FF	₹	표	표	표	퓹	72 FF	GW01604WC GW	₹	표	표	표	番	五	Ŧ	<u>F</u>	75 BH	<b>∂</b>	<b>₹</b>	<b>§</b>	<b>E</b>	F	五	Ŧ	Ŧ	五	BH01247WCU2 BH	<b>∂</b>	6591 BH01266WCU2 BH

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Unit	5	O DG/L	9 06/KG	9 0G/KG	8 UG/KG	06/KG	8 UG/KG	/ UG/KG	/ UG/L	6 UG/KG	6 UG/KG	o UG/KG	5 UG/KG	50/20	1 UG/L	4 OG/L	4 UG/KG	<b>7</b> 8	3 UG/L	3 UG/L	3 UG/KG	2 UG/KG	2 UG/L	UG/L	UG/L	2 UG/L	2 UG/L	1 UG/L				06/L	7 6	7.6	7 6								
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Chemical Name		METHYLENE CHLORIDE		METHYLENE CHLORIDE	METHYLENE CHLORIDE		CARBON TETRACHLORIDE	METHYLENE CHLORIDE	DRM	DRM	DRM	DRM	METHYLENE CHLORIDE	1,1-DICHLOROETHENE	1,1-DICHLOROETHENE	METHYLENE CHI OBIDE	PETHENE	1 1 1-TRICHI OBORTUANE	1 1-DICH! OBOETURAN	1 1-DICHI OBOETHENE	1 1 1-TBICHI ODOLTI MANT	CONCEINANE	DETLINE BUTTON ATT	DOCT TO THE	TETRACII ODOLITICALI		1 1-TRICH OBOETHANE	1.1.1-TRICHLOROFTHANE	ROETHANE	ROETHENE	TETRACHLOROETHENE	ROETHANE	ROETHENE	ETHENE	1,1,1-TRICHLOROETHANE	CARBON TETRACHLORIDE	CARBON TETRACHLORIDE	CARBON TETRACHI ORIDE	CARBON TETRACHI ORIDE	AM.	CARBON TETRACHI OBIDE	CARBON TETRACHI OBINE	THE CHILD
	Unknown	METHYLER	TOLUENE	METHYLEN	METHYLEN	TOLUENE	CARBON T	METHYLEN	CHLOROFORM	CHLOROFORM	CHLOROFORM	CHLOROFORM	METHYLEN	1,1-DICHLO	1,1-DICHLO	METHYLEN	TRICH! OROFTHENE	1 1 1-TBICE	1-01CH	1 1 2 2 2 2	1 1 1 TEL	יייייייייייייייייייייייייייייייייייייי	DIETLY DUTLA ATT	TETOACH	TETRACHIC	TRICH OPOETURIE	1 1-TRICH	1.1.1-TRICH	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	TETRACHLO	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	TRICHLOROETHENE	1,1,1-TRICHI	CARBON TE	SARBON TE	SARBON TE	SARBON TE	CHLOROFORM	ARBON TE	ARBON TE	
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Group Code	BNACLP	VOACLP	2-Mar-92 VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOACLP	VOA502 2	VOACLP	VOACLP	VOA502 2	VOA502 2	VOA524 2	VOACL P	VOACI P	VOA524 2	BNAC! P	VOA502 2	VOA524 2	VOA524 2	/OA524 2	/OACLP	/OA524 2	/OA524 2	/OA524 2	/OA502 2	/OA524 2	/OA524 2	αl	П					OA524 2	OA524 2	04524.2
5	3-Mar-92 BNACLP	2-Mar-92 VOACLP	2-Mar-92	3-Mar-92 VOACLP	4-Mar-92 VOACLP	2-Mar-92 VOACLP	3-Mar-92 VOACLP	2-Mar-92 VOACLP	3-Mar-92 VOACLP	3-Mar-92 VOACLP	4-Mar-92 VOACLP	4-Mar-92 VOACLP	2-Mar-92 VOACLP	19-May-92 VOA502 2	1-Sep-94 VOACLP	2-Mar-92 VOACLP	19-May-92 VOA502 2	19-May-92 VOA502 2	27-Aug-92 VOA524 2	3-Mar-92 VOACLP	3-Mar-92 VOACI P	10-Mar-93 VOA524 2	14-Mav-93 BNACI P	19-May-92 VOA502 2	27-Aug-92 VOA524 2	27-Aug-92 VOA524 2	27-Aug-92 VOA524 2	11-Nov-94 VOACLP	27-Aug-92 VOA524 2	17-Nov-92 VOA524 2	10-Mar-93 VOA524 2	19-May-92 VOA502 2	10-Mar-93 VOA524 2	10-Mar-93 VOA524 2	10-Mar-93 VOA524 2	20-May-93 VOACLP	6-Jun-94 VOACLP	10-Sep-93 VOACLP	23-Feb-94 VOACLP	19-Mar-93 VOA524 2	19-Mar-93 VOA524 2	19-Mar-93 VOA524 2	19-Mar-93 V
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Number	6597 BH01252WCU2	6504 DIOLOGO	6501 BHO1248WCUZ	6501 BIO1236WCUZ	6591 BH01269WCU2	6591 BH01250WCU2	BH01258WCU2	6504 BH01246WCU2	BH01264WCU2	6591 BH01264WCU2	6591 BH01269WCU2	6591 BHO1269WCU2	6591 GWOODELT	10000011	GW01365GA	day   BHUIZSUWCUZ	6591 GW02895IT	6591 GW02895IT	6591 GW03427IT	6591 BH01256WCU2	6591 BH01256WCU2	6591 GW00383WC	6591 GW00746WC	6591 GW02895IT	GW034271T	GW03427IT	GW03427IT	6591 GW01704GA	6591 GW03427IT	6591 GW03847II	6504 GWOU383WC	6591 GW0289511	6504 CMOOOSSAWC	GEO 4 CIANOGOGOMO	WOUSBSWC	6691 GW00/4/WC	6691 GW00//6GA	6691 GW01246WC	6691 GW00277GA	6691 GW00384WC	GW00384WC	6691 GW00384WC	6691 GW00384WC
Location	1660	1 1 1 1 1	1000	650	6504	0039	0039	1800	1600	1600	1 600	6504 6	65916	1000	0000	1800	6591 G	6591 G	6591 G	6591 B	6591 B	6591 G	6591 G	6591 G	6591 G	6591 G	6591 G	6591 G	5 6281	5 600	5 1 600	029	000	0231	0291	500	1 600	1500	6691 GV	6691 GV	6691 GV	6691 GV	6691 GV

Detect Limit	5 WATER	5 LIQUID	750 WATER	3100 WATER	5 WATER	0 1	0 1	5000 WATER	0 01	0.2	5000 WATER	0.2	5 WATER	0 4	0 02	0 1 WATER	0 1 WATER	10 WATER	5 WATER	0 4	5 WATER	10 WATER	700 WATER	10 WATER	5 WATER	5 LIQUID	10 WATER	5000 WATER	3 5 WATER	5 WATER	5 WATER	0 02	5 WATER	5 LIQUID	5 WATER	5000 WATER	0 15 WATER	0 01	10 WATER	0 14 WATER	3 8 WATER	5 WATER	
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Resurt Measure	46000 UG/L	43000 UG/L	39000 UG/L	35000 UG/L	30000 UG/L	30000 UG/L	28000 UG/L	26000 UG/L	25000 UG/L	25000 UG/L	24000 UG/L	24000 UG/L	22000 UG/L	20000 UG/L	20000 UG/L	20000 UG/L	20000 UG/L	18000 UG/L	17000 UG/L	16000 UG/L	16000 UG/L	15000 UG/L	12000 UG/L	12000 UG/L	10000 UG/L	9900 UG/L	9800 UG/L	9700 UG/L	8600 UG/L	7000 UG/L	7000 UG/L	4600 UG/L	4400 UG/L	3000 UG/L	2900 UG/L	2600 UG/L	2500 UG/L	2300 UG/L	2100 UG/L	1900 UG/L	1600 UG/L	1500 UG/L	1500 UG/KG
Parameter Code	67-66-3	56-23-5	67-66-3	75-09-2	67-66-3	67-66-3	67-66-3	56-23-5	67-66-3	75-09-2	67-66-3	75-09-2	67-66-3	56-23-5	56-23-5	75-09-2	75-09-2	74-87-3	75-09-2	56-23-5	75-09-2	67-64-1	56-23-5	75-09-2	67-66-3	67-66-3	67-66-3	75-09-2	56-23-5	75-09-2	75-09-2	127-18-4	56-23-5	75-09-2	75-09-2	74-87-3	67-66-3	75-09-2	56-23-5	56-23-5	67-66-3	67-66-3	TIC
up Typ Chemical Name		260 TR1 CARBON TETRACHLORIDE	N	N	<u> </u>	24.2 TRG CHLOROFORM	24.2 DIL CHLOROFORM	LP DIL CARBON TETRACHLORIDE	12.2 DIL CHLOROFORM	24.2 TRG METHYLENE CHLORIDE	LP DIL CHLOROFORM	ם		(5		占	2 TFG	Œ	딤	뒴	<u>P</u>	<u>P</u> 1	0.2	Œ	占	E E	<u>E</u>	占	1	ቨ	Œ	ᆸ	Ē	Ē	룹	占	Œ	ቨ	2	22	<u>D</u> .1	E	P TIC Unknown-19
Smpi Date Group	10-Sep-93 VOACLP	20-Jul-94 VOA8260	28-Aug-92 VOA524 2 DL	28-Aug-92 VOA524 2 DL	20-May-93 VOACLP	17-Nov-92 VOA524 2	17-Nov-92 VOA524 2	30-Nov-93 VOACLP	18-May-92 VOA502 2 DIL	17-Nov-92 VOA524 2	30-Nov-93 VOACLP	17-Nov-92 VOA524 2	23-Feb-94 VOACLP	17-Nov-92 VOA524 2 TRG	18-May-92 VOA502 2 DIL	19-Mar-93 VOA524 2 DIL	19-Mar-93 VOA524 2	30-Nov-93 VOACLP	20-May-93 VOACLP	17-Nov-92 VOA524 2	10-Sep-93 VOACLP	20-May-93 VOACLP	28-Aug-92 VOA524 2	30-Nov-93 VOACLP	6-Jun-94 VOACLP	20-Jul-94 VOA8260	30-Nov-93 VOACLP	30-Nov-93 VOACLP	28-Aug-92 VOA524 2	23-Feb-94 VOACLP	20-May-93 VOACLP	18-May-92 VOA502 2	20-May-93 VOACLP	20-Jul-94 VOA8260	6-Jun-94 VOACLP	30-Nov-93 VOACLP	28-Aug-92 VOA524 2	18-May-92 VOA502 2	30-Nov-93 VOACLP	28-Aug-92 VOA524 2	28-Aug-92 VOA524 2	20-May-93 VOACLP	25-Feb-92 BNACLP
Code	/ REAL	ZE	NEAL	S FEAL	AT	& ₽	GW REAL	<u>4</u>	절	집	GW REAL	GW REAL	₹ 2	4	₩ ₩	GW REAL	<b>A</b>	GW REAL	GW REAL	Z i			EA :	4	¥	₹ 1	GW PEAL	4	4	¥ ;	OW REAL	4	¥ :				4	EA.	EA :		_		AT .
Location Sample ST Number ST	GW01246WC	GW00987GA	GW03428IT		S			ပ	GW02896IT		GW01605WC		A		GW02896IT	GW00384WC			5			GW00747WC			GW00776GA			GW01605WC		GW00277GA	J				GW00//6GA	2			GW01605WC			- 1	6691 BH00518WCUZ BH

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Result	1100 UG/KG	1000 UGA	1000 UG/KG	920 UG/KG	870 UG/L	820 UG/KG	810 UG/KG	BOO LIG/KG	740 LIG/KG	720 11G/KG	SBO USING	630 UG/KG	610 116/1	610 UG/KG	610 UG/KG	530 UG/KG	510 (IG/KG	480 11G/KG	460 11G/KG	430 UG/KG	410 11G/KG	400 UG/KG	390 LIG/KG	390 UG/KG	380 UG/KG	360 UGA	350 UG/KG	340 UG/KG	330 UG/KG	330 UG/KG	320 UG/L	310 UG/KG	300 UG/KG	290 UG/KG	280 UGA	280 UG/KG	270 UG/KG	260 UG/KG	250 UG/KG	250 UG/KG	240 UG/KG	220 UG/KG	190 UG/KG
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	Unknown-12	METHYLENE CHLORIDE	Unknown-15	Aldol Condensation	TRICHLOROETHENE	Aldol Condensation	Unknown-2	Aldol Condensation	Unknown-16	Unknown-7	Aldol Condensation	Aldol Condensation	METHYLENE	Unknown-14	Unknown-9	Unknown-6	Unknown-18	Unknown-4	Unknown-11	Unknown-13	Unknown-17	Unknown-6	Unknown-10	Unknown-15	Unknown-8	CHLOROMETHANE	Unknown-13	Unknown-18	Unknown-10	Unknown-11	CHLOROMETHANE	Unknown-14	Unknown-5	Unknown-19	TRICHLOROETHENE	Unknown-3	Unknown-7	Unknown-16	Unknown-17	Unknown-9	Unknown-2	TOLUENE	Unknown-1
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Test Group Code	25-Feb-92 BNACLP	28-Aug-92 VOA524 2	25-Feb-92 BNACLP	25-Feb-92 BNACLP	30-Nov-93 VOACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	28-Aug-92 VOA524 2	25-Feb-92 BNACLP	28-Aug-92 VOA524 2	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	28-Aug-92 VOA524 2 DIL	25-Feb-92 BNACLP	25-Feb-92 BNACLP	25-Feb-92 BNACLP	20-May-93 VOACLP	25-Feb-92 BNACLP	25-Feb-92 VOACLP	SNACLE																
Date	eb-92	ug-92	eb-92	eb-92	ov-93	eb-92	eb-92	eb-92	eb-92	eb-92	eb-92	eb-92	1g-92	eb-92	eb-92	ep-95	ep-92	ep-95	9p-95	ep-95	3b-92	eb-92	9b-92	3b-92	3p-95	1g-92	3p-95	3p-95	9p-95	3p-95	1g-92	3p-95	3p-95	3p-95	3y-93	P-95	3p-95	3p-95	26-q	P-95	3p-95	19-95	p-951
Smpl Date	25-F	28-A	25-F	25-F	30-N	25-F	25-F	25-F	25-F	25-F	25-F	25-F	28-A1	25-F	25-F	25-F	25-F	25-Fe	25-F	25-Fe	25-Fe	25-Fe	25-Fe	25-Fe	25-Fe	28-AL	25-Fe	25-Fe	25-Fe	25-Fe	28-AL	25-Fe	25-Fe	25-Fe	20-Mg	25-Fe							
O o o	BH REAL	GW REAL	REAL	REAL		REAL	REAL	REAL	REAL	REAL	REAL	REAL	REAL	REAL	REAL	Æ	REAL	Æ	¥	찙	Z.	ZZ	EA.	Æ	Æ	ZZ.	ZZ	EA.	¥.	Æ	EA.	REAL EAL	EN EN	¥ ;	HEA.								
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Sample Number	8WCU	띯	SWCU	OMCC.	5WC	ZWCU;	8WCU	BWCU;	BWCU2	8WCU	4WCU2	5WCU	181T	<b>SWCU</b> 2	OWCU2	OWCU	3WCU2	WCU2	WCU2	8IT	WCU2	WCU2	WCU2	3WCU2	ᇤ	WCU2	MCC	WCU2	2	WCU2	WCU2	WCU2	WCU2	WCU2	MCU2	MCU.	MCC MCC						
Sar	H0051	3W034	3H0051	3H0052	3W016(	H0052	BH00518WCU2	BH00518WCU2	BH00518WCU2	H0051	H0052	BH00525WCU2	GW03428IT	H0051	H0052	H0052	H0051	H0051	H0052(	H0051	H0051	H0051	H0051	H0052(	H0052(	W0342	H0052(	H0052(	H0052(	H00518	W0342	H0052(	H0052(	H0052(	W0074	H0052(	H0052(	H0052(	H0052(	H00518	H0052(	(00)	HUUDZ
Lecation	6691 BH00518WCU2	6691 GW03428IT	6691 BH00518WCU2	6691 BH00520WCU2	6691 GW01605WC	6691 BH00522WCU2	6691 B	6691 B	6691 B	6691 BH00518WCU2	6691 BH00524WCU2	6691 B	6691 G	6691 BH00518WCU2	6691 BH00520WCU2	6691 BH00520WCU2	6691 BH00518WCU2	6691 BH00518WCU2	6691 BH00520WCU2	6691 BH00518WCU2	6691 BH00518WCU2	6691 BH00518WCU2	6691 BH00518WCU2	6691 BH00520WCU2	6691 BH00520WCU2	6691 GW03428IT	6691 BH00520WCU2	6691 BH00520WCU2	6691 BH00520WCU2	6691 BH00518WCU2	6691 GW03428IT	6691 BH00520WCU2	6691 BH00520WCU2	6691 BH00520WCU2	6691 GW00747WC	6691 BH00520WCU2	6691 BH00520WCU2	6691 BH00520WCU2	6691 BH00520WCU2	6691 BH00518WCU2	6691 BH00520WCU2	6691 BH00517WCU2	6691 BH00520WCUZ
Local										<b>"</b>	۳		3	3	<u> </u>	۳	9	9	9	9	٩	٩	9	Ψ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		٥

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Unit Measure	180 UG/KG	180 UG/L	170 UG/KG	150 UG/L	150 UG/KG	150 UG/KG	150 UG/L	150 UG/L	140 UG/L	130 UG/KG	130 UG/L	120 UG/L	120 UG/L	120 UG/L	120 UG/L	120 UG/L	113 %REC	110 UG/KG	110 UG/L	110 UG/L	108 %	105 %REC	105 %REC	105 %REC	103 %REC	100 UG/KG	99 UG/L	98 %REC	95 %REC	93 %REC	92 %REC	92 UG/L	88 %REC	84 %REC	80 UG/L	73 %REC	72 UG/L	69 UG/L	68 %REC	66 UG/KG	60 UG/L	59 UG/KG	58 UG/KG
Result	1	-	-	1	1	-	-	_	-	-	_	-	•	1	-	-	_	_	-	-	-	_	-	-	1	1																	_
Parameter Code	56-23-5	74-87-3	56-23-5	75-34-3	56-23-5	67-66-3	75-09-2	79-01-6	127-18-4	56-23-5	79-01-6	71-55-6	75-34-3	75-34-3	74-87-3	79-01-6	460-00-4	67-72-1	79-01-6	79-01-6	460-00-4	460-00-4	75-61-6	2037-26-5	2037-26-5	108-88-3	127-18-4	2037-26-5	460-00-4	17060-07-0	17060-07-0	67-66-3	321-60-8	4165-60-0	127-18-4	1718-51-0	71-55-6	127-18-4	118-79-6	108-88-3	127-18-4	108-88-3	108-88-3
Chémical Name	CARBON TETRACHLORIDE	CHLOROMETHANE	CARBON TETRACHLORIDE	1,1-DICHLOROETHANE	CARBON TETRACHLORIDE	CHLOROFORM	METHYLENE CHLORIDE	TRICHLOROETHENE	TETRACHLOROETHENE	CARBON TETRACHLORIDE	TRICHLOROETHENE	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHANE	CHLOROMETHANE	TRICHLOROETHENE	BROMOFLUOROBENZENE	Hexachloroethane	TRICHLOROETHENE	TRICHLOROETHENE	BROMOFLUOROBENZENE	BROMOFLUOROBENZENE	DIBROMOFLUOROMETHANE (SURR)	TOLUENE - D8	TOLUENE - D8	ENE	TETRACHLOROETHENE	TOLUENE - D8	BROMOFLUOROBENZENE	1,2 DICHLOROETHANE -D4	1,2 DICHLOROETHANE -D4	CHLOROFORM	2-FLUOROBIPHENYL	NITROBENZENE-D5	TETRACHLOROETHENE	TERPHENYL-D14	1,1,1-TRICHLOROETHANE	TETRACHLOROETHENE	2,4,6-TRIBROMOPHENOL	TOLUENE	TETRACHLOROETHENE	TOLUENE	TOLUENE
<b>8</b> Q.		$\overline{}$	_			-1					-		T			·			$\overline{}$	$\rightarrow$	$\rightarrow$		$\rightarrow$			+	$\neg \dagger$	<del>-</del> +			_			_		·			_	-+	-+		$\neg$
Res	_	-	-	-	-	느	7	THG.	_	_	7	E	_	┪	-	_	_	_	2 PL	2 DIL			_				-		_	-	듸	-		_			_	븨		_	2		里
Test Group Code	/OACLP	/OA524	/OACLP	/OA524	/OACLP	/OACLP	/OA502	/OACLP	/OACLP	/OACLP	/OA524	/OACLP	/OA524	/OACLP	/OACLP	/OA524	/OACLP	/OACLP	/OA502	/OA524	/OA524	/OA826	/OA826	<b>JOACLP</b>	/OA826	/OACLP	/OACLP	/OACLP	/OACLP	/OACLP	/OACLP	/OA502	3NA827	3NA827	/OA524	3NA827	VOA524	VOA524	3NA827	VOACLP	VOA524	VOACLP	VOACLP
Smpi Date	25-Feb-92 VOACLP	17-Nov-92 VOA524 2	25-Feb-92 VOACLP	28-Aug-92 VOA524 2	25-Feb-92 VOACLP	25-Feb-92 VOACLP	18-May-92 VOA502 2	30-Nov-93 VOACLP	30-Nov-93 VOACLP	25-Feb-92 VOACLP	19-Mar-93 VOA524 2	20-May-93 VOACLP	28-Aug-92 VOA524 2	30-Nov-93 VOACLP	20-May-93 VOACLP	28-Aug-92 VOA524 2	6-Jun-94 VOACLP	25-Feb-92 VOACLP	18-May-92 VOA502 2	28-Aug-92 VOA524 2	28-Aug-92 VOA524 2	20-Jul-94 VOA8260	20-Jul-94 VOA8260	6-Jun-94 VOACLP	20-Jul-94 VOA8260	25-Feb-92 VOACLP	20-May-93 VOACLP	23-Feb-94 VOACLP	23-Feb-94 VOACLP	23-Feb-94 VOACLP	6-Jun-94 VOACLP	18-May-92 VOA502 2	20-Jul-94 BNA8270	20-Jul-94 BNA8270	28-Aug-92 VOA524 2	20-Jul-94 BNA8270	19-Mar-93 VOA524 2	28-Aug-92 VOA524 2	20-Jul-94 BNA8270	25-Feb-92 VOACLP	19-Mar-93 VOA524 2	25-Feb-92 VOACLP	25-Feb-92 VOACLP
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Sample Number	6691 BH00523WCU2	GW03848IT	6691 BH00517WCU2	6691 GW03428IT	6691 BH00526WCU2	6691 BH00523WCU2	6691 GW02896IT	6691 GW01605WC	6691 GW01605WC	6691 BH00519WCU2	6691 GW00384WC	6691 GW00747WC	6691 GW03428IT	6691 GW01605WC	6691 GW00747WC	6691 GW03428IT	6691 GW00776GA	6691 BH00517WCU2	6691 GW02896IT	6691 GW03428IT	GW03428IT	6691 GW00987GA	6691 GW00987GA	6691 GW00776GA	6691 GW00987GA	6691 BH00526WCU2	6691 GW00747WC	6691 GW00277GA	6691 GW00277GA	6691 GW00277GA	6691 GW00776GA	6691 GW02896IT	6691 GW00987GA	6691 GW00987GA	6691 GW03428IT	6691 GW00987GA	6691 GW00384WC	6691 GW03428IT	6691 GW00987GA	6691 BH00523WCU2	6691 GW00384WC	6691 BH00521WCU2	6691 BH00519WCU2
Location	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691

Qual Detaol Matrix	0 1 WATER	0.2	0 02	22	4 8 WATER	0 19 WATER	0 2 WATER	10 WATER	0.2	5 WATER	10 WATER	WATER	UQUID	5 WATER	5 WATER	5	5	0 1	5	0 03	0 13 WATER	LIQUID	WATER	တ	5	WATER	WATER	10 WATER		1000	WATER	0 02	-	WATER	WATER	60 0	ß	0 1 WATER	WATER	10 WATER	
Result Messure O	57 UG/L	56 UG/L	51 UG/L E	51 UG/KG	46 UG/L	43 UG/L E	40 UG/L	38 UG/L	38 UG/L	36 UG/L	35 UG/L	35 UG/L	35 %REC	34 UG/L	33 UG/L	33 UG/KG	<sub>o</sub>	32 UG/L E	28 UG/KG	27 UG/L	26 UG/L E	25 %REC	21 UG/L J	20 UG/KG	19 UG/KG	18 UG/L	15 UG/L	15 06/	1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 119/1			1 UG/L	8 UG/L	7 9 UG/L J	6 4 UG/L	6 UG/KG	6 UG/L	6 UG/L	6 UG/L J	
Parameter	75-34-3	79-01-6	56-23-5	67-66-3	71-55-6	71-55-6	75-01-4	71-55-6	127-18-4	75-35-4	75-27-4	TIC	367-12-4	75-01-4	75-34-3	56-23-5	108-88-3	74-87-3	127-18-4	75-34-3	75-35-4	4165-62-2	JC	67-66-3	67-66-3	2	TIC	11/-81-/	75-35-4	79-01-6	710	127-18-4	10061-02-6	67-72-1	TIC	75-25-2	75-09-2	108-88-3	TIC	75-01-4	Ç
Chemical Name	1,1-DICHLOROETHANE	TRICHLOROETHENE	CARBON TETRACHLORIDE	CHLOROFORM	1,1,1-TRICHLOROETHANE	1,1,1-TRICHLOROETHANE	VINYL CHLORIDE	1,1,1-TRICHLOROETHANE	TETRACHLOROETHENE	1,1-DICHLOROETHENE	BROMODICHLOROMETHANE	Hexachloroethane	o-FLUOROPHENOL	VINYL CHLORIDE	1,1-DICHLOROETHANE	CARBON TETRACHLORIDE	TOLUENE	CHLOROMETHANE	TETRACHLOROETHENE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	PHENOL-D5	Bromotrichloromethane	CHLOROFORM	CHLOROFORM	UNKNOWN	2-FLUORO-4-NITROPHENOL	HEXACHI ODOETUANE	1.1-DICHLOROETHENE	TRICHLOROETHENE	UNKNOWN	TETRACHLOROETHENE	trans-1,3-DICHLOROPROPENE	Hexachloroethane C2Cl6	UNKNOWN	ВРОМОГОРМ	METHYLENE CHLORIDE	TOLUENE	Unknown Chlorinated Hydrocarbo	VINYL CHLORIDE	Introduce
Smpil Date Group Typ	19-Mar-93 VOA524 2 TFG	17-Nov-92 VOA524 2 TRG	7		0	F	F 7		7	E E	Ē		F	N	Ξi	E E	2	2 IEG	E	<b>E</b>	F			E	E	OF F	19-Mar-93 BNACLP INC	Ė	E E	E E	2		HG.	2 1C	ည	2 THG	E	2 HG		2	OF 0 100 00 00 00 00 00 00 00 00 00 00 00
Location Sample ST Code	WD D	GW03848IT GW	⋛	102 PH	GW03428IT GW	GW03428IT GW	GW03428IT GW	O O	<b>&amp;</b>	GW00747WC GW	GW01605WC GW	<b>∂</b>	<b>≥</b>		<b>≩</b>  8	Ŧ ;	702 FH	<u>≩</u>	702 BH				<b>≩</b>	<b>E</b>	BH00526WCU2 BH	6601 GW00384WC GW HEAL		GW00987GA		6691 GW02896IT GW REAL	GW00384WC		GW02896IT		<b>№</b>	8	2		GW00747WC	GW00/4/WC	€

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Matrix	0 2 WATER	10 WATER	10 WATER	WATER				5 WATER	5 WATER	5 WATER	0 1 WATER	WATER				WATER	0 1 WATER	0 1 WATER	i		WATER			WATER									WATER			0 2 WATER	0 2 WATER				0 5 WATER	WATER	0 3 WATER
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Result Measure	4 UG/L	4 UG/L	4 UG/L	3 UG/L	2 3 UG/L	2 2 UG/L	2 1 UG/L	2 UG/L	2 UG/L	2 UG/L	2 UG/L	2 UG/L	1 8 UG/L	1 6 UG/L	1 1 UG/L	1 UG/L	1 UG/L	1 UG/L	1 UG/KG	1 UG/KG	1 UG/L	0 63 UG/L	0 56 UG/L	0 5 UG/L	0 4 UG/L	0 39 UG/L	0 34 UG/L	0 34 UG/L	0 34 UG/L	0 34 UG/L	0 33 UG/L	0 32 UG/L	0 3 UG/L	0 3 UG/L	0 26 UG/L	0 2 UG/L	0 2 UG/L	0 17 UG/L	0 17 UG/L	0 16 UG/L	117 %REC	115 %	112 %REC
Parameter f	2-6	2	-02-6		-5	Ξ.	4	2	2	2	60		4	မှ	7.	2	1	7-1	9	2	က္	8	-01-5	4-	8-	2	2	I	ဗ	4	80	6-5	9	1-4	6-6	င့	6-3	7	9	2	39-1	4-(	4
Para	156-59-2	84-74-2	10061-02-6	TIC	156-59-2	124-48-1	96-18-4	79-34-5	79-00-5	71-43-2	75-00-3	일	106-93-4	630-20-6	108-90-7	78-87-5	108-86-1	108-90-7	67-66-3	75-09-2	108-88-3	87-68-3	10061-01-5	100-41-4	135-98-8	79-34-5	79-00-5	108-86-1	75-00-3	100-41-4	95-49-8	108-88-3	95-47-6	106-43-4	142-28-9	108-38-3	106-42-3	541-73-1	95-47-6	71-43-2	2199-69-1	460-00-4	460-00-4
Res Typ Chemical Name	TRG cis-1,2-DICHLOROETHENE	TRG DI-n-BUTYL PHTHALATE	O		(T)		$\neg$	TRG 1,1,2,2-TETRACHLOROETHANE	TRG 1,1,2-TRICHLOROETHANE	TRG BENZENE	TRG CHLOROETHANE	TIC Unknown	TRG 1,2-DIBROMOETHANE	TRG 1,1,1,2-TETRACHLOROETHANE	TRG CHLOROBENZENE	TRG 1,2-DICHLOROPROPANE	TRG BROMOBENZENE	TRG CHLOROBENZENE	TRG CHLOROFORM	TRG METHYLENE CHLORIDE	TRG TOLUENE	TRG HEXACHLOROBUTADIENE	$\neg$	TRG ETHYLBENZENE	Ø	TRG 1,1,2,2-TETRACHLOROETHANE	Ø	G	2	E E	臣	Ø	g	G	TRG 1,3-DICHLOROPROPANE		Ø	F	阳	TRG BENZENE			TR1 BROMOFLUOROBENZENE
Test Group Code	JA524 2	ACLP	ACLP	)A524 2	JA502 2	<b>JA502 2</b>	)A502 2	JACLP	ACLP	<b>JACLP</b>	JA524 2	JA524 2	)A502 2	)A502 2	)A502 2	)A5242	)A5242	)A5242	ACLP	ACLP	ACLP	)A502 2	A502 2	)A5242	)A502 2	)A502 2	)A502 2	A502 2	)A502 2	)A502 2	A502 2	)A502 2	)A524 2	A502 2	A502 2	)A524 2	)A524 2	)A502 2	)A502 2	)A502 2	)A524 2	)A524 2	)A524 2
Smpl Date	28-Aug-92 VOA524 2	19-Mar-93 BNACLP	30-Nov-93 VOACLP	28-Aug-92 VOA524 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	20-May-93 VOACLP	20-May-93 VOACLP	20-May-93 VOACLP	28-Aug-92 VOA524 2	28-Aug-92 VOA524 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	28-Aug-92 VOA524 2	28-Aug-92 VOA524 2	28-Aug-92 VOA524 2	25-Feb-92 VOACLP	25-Feb-92 VOACLP	20-May-93 VOACLP	18-May-92 VOA502 2	18-May-92 VOA502 2	28-Aug-92 VOA524 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	28-Aug-92 VOA524 2	18-May-92 VOA502 2	18-May-92 VOA502 2	28-Aug-92 VOA524 2	28-Aug-92 VOA524 2	18-May-92 VOA502 2	18-May-92 VOA502 2	18-May-92 VOA502 2	12-Sep-94 VOA524 2	9-Sep-92 VOA524 2 TRG	12-Sep-94 VOA524 2 TR1
Code	GW REAL	쨢		REA T	REAL	SP PEA	GW REAL	REAL	죑	REAL	REAL	REAL	GW REAL	절	푎				Æ	REAL	Æ	REAL		REA EA	習	₽₽ BB	REA T	\$	죑	<u>4</u>		型	젍	¥.	3	절	3	\$	SEAL PEAL	젒	EA EA		EA.
	<b>₹</b>	₹	₹	§	₹	₹	₹	₹	<u>₹</u>	<b>§</b>	₹	⋛	₹	₹	8	₹	<b>∂</b>	- 1		- 1	₹	Q.	8	₹	₹	₹	Ø	₹	₹	₹	8	₹	<b>₹</b>	₹	₹	₹	<b>₹</b>	ð	₹	₹	<b>₹</b>	8	8
	1 GW03428IT	1 GW00384WC	6691 GW01605WC	6691 GW03428IT	1 GW02896IT		1 GW02896IT	6691 GW00747WC		1 GW00747WC			1 GW02896IT	1 GW02896IT	1 GW02896IT		1 GW03428IT	6691 GW03428IT	6691 BH00517WCU2		1 GW00747WC	1 GW02896IT	1 GW02896IT	1 GW03428IT	1 GW02896IT	1 GW02896IT	6691 GW02896IT	6691 GW02896IT	6691 GW02896IT	1 GW02896IT	6691 GW02896IT	6691 GW02896IT	6691 GW03428IT	6691 GW02896IT	6691 GW02896IT	1 GW03428IT	6691 GW03428IT	6691 GW02896IT	6691 GW02896IT	6691 GW02896IT	13091 GW01370GA	13091 GW03440IT	13091 GW01370GA
Location	6691	6691	699	699	6691	699	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	6691	13091	13091	13091

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Matrix	0 3 WATER	0 3 WATER	0 5 WATER	0 5 WATER	0 5 WATER	0 3 WATER	WATER		WATER	0 3 WATER		WATER		0 2 WATER			0 1 WATER		0 2 WATER	WATER		2 WATER	WATER		WATER					0 2 WATER		WATER	WATER			WATER		0 2 WATER	0 3 WATER	0 1 WATER	WATER	WATER	
Detect	0 3 V	0 3 V	0 5 V	0 5 V	0 5 V	0 3 V	>	ß		0 3 V	0 02	>	2	0 2 V	0 03	10	0 1 V	0 4	0 2 V	>	2	0 2 V	>	0 2	-	0 01	0 03	0 01	0 03	0 2 V	သ	_	0 2 V	0 2	0 1	0 1 /	0 02	021	0 3 \	0 1			90 0
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Cont		REC		REC	REC	Æ	gr.	18 UG/KG		<b>5</b>	ਤ ਰ		12 UG/KG	NG/L	G/L	6 UG/KG	g/L	g/L	gr.	UG/L	3 UG/KG	જ		G/L			G/L	G/L	UG/L	UG/L	ଅ	UG/L	UG/L	G/L	G/L	G/L	g/L	G/L	g/L	ଞ	gr.	ଫ	G/L
Resuft	98 %	98 %REC	94 %	94 %REC	92 %REC	91 %REC	18 UG/L	180	15 UG/L	14 UG/L	14 UG/L	14 UG/L	120	0 Z	6 6 UG/L	N 9	P OGV	5 UG/L	4 UG/L	4	<u>∩</u>	3 UG/L	3 UG/L	2 7 UG/L	2 UG/L	1 5 UG/L	1 4 UG/L	1 2 UG/L	110	1 0	1 UG/L	በ ፣	1 U	1/50 6 0	0 7 UG/L	0 7 UG/L	0 66 UG/L	0 6 UG/L	7/50 9 0	0 6 UG/L	0 48 UG/L	0 46 UG/L	0 41 UGA
Pårameter Code	460-00-4	460-00-4	2199-69-1	2199-69-1	2199-69-1	460-00-4	123-42-2	75-09-2	710	56-23-5	91-20-3	TIC	75-09-2	56-23-5	135-98-8	67-64-1	127-18-4	56-23-5	67-66-3	TIC	71-55-6	56-23-5	TIC	96-12-8	TIC	75-09-2	108-67-8	67-66-3	79-01-6	56-23-5	75-09-2	TIC	127-18-4	127-18-4	67-66-3	67-66-3	127-18-4	56-23-5	56-23-5	79-01-6	TIC	TIC	9-90-86
Chemical Name	BROMOFLUOROBENZENE			1,2-DICHLOROBENZENE-D4	1,2-DICHLOROBENZENE-D4	BROMOFLUOROBENZENE	2-PENTANONE, 4-HYDROXY-4-METH	METHYLENE CHLORIDE	UNKNOWN	CARBON TETRACHLORIDE		UNKNOWN		_	$\overline{}$					SUBSTITUTED BENZENE C11H16		CARBON TETRACHLORIDE				METHYLENE CHLORIDE						SUBSTITUTED BENZENE C10H14	-	_	_		$\neg$		CARBON TETRACHLORIDE	TRICHLOROETHENE	UNKNOWN		tert-BUTYLBENZENE
Res	臣	Œ	E	F		臣	5	Œ	<u>ي</u>	Ħ	E E	ည	臣	臣	Œ	Æ	F	F	Ē	ဠ	臣	足	ဠ	臣	ဍ	Œ	臣	毘	臣	2	臣	ဍ	Ē	Œ	路	2	F	티	臣		ည	ဥ	E
Smpi Date Group Code	2-Dec-93 VOA524 2	23-May-94 VOA524 2	2-Dec-93 VOA524 2	23-May-94 VOA524 2	9-Mar-94 VOA524 2	9-Mar-94 VOA524 2	22-May-92 BNACLP	19-Feb-92 VOACLP	18-Mar-93 BNACLP	12-Sep-94 VOA524 2	22-May-92 VOA502 2	22-May-92 BNACLP	19-Feb-92 VOACLP	9-Sep-93 VOA524 2	22-May-92 VOA502 2	19-Feb-92 VOACLP	19-May-93 VOA524 2	16-Nov-92 VOA524 2	12-Sep-94 VOA524 2	9-Sep-92 VOA524 2	19-Feb-92 VOACLP	18-Mar-93 VOA524 2	9-Sep-92 VOA524 2	22-May-92 VOA502 2					22-May-92 VOA502 2	19-May-93 VOA524 2	19-Feb-92 VOACLP	9-Sep-92 VOA524 2	12-Sep-94 VOA524 2	16-Nov-92 VOA524 2	16-Nov-92 VOA524 2	18-Mar-93 VOA524 2	22-May-92 VOA502 2	2-Dec-93 VOA524 2	9-Mar-94 VOA524 2	19-May-93 VOA524 2	18-Mar-93 VOA524 2	18-Mar-93 VOA524 2 TIC	22-May-92 VOA502 2 TPG
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ST Co	GW REAL	GW REAL	GW REAL		GW REAL	GW REAL		PF PEA	GW REAL	GW REAL	GW REAL	GW PEAL	BH REAL	GW REAL		H RE	GW REAL	GW REAL	GW REAL		H REAL	GW REAL	GW REAL	GW REAL		GW REAL	GW REAL	SN PEA	GW REAL		E SE		GW REAL	& ₹	S R R R R	GW REAL	SW REAL	GW PEA	GW REAL	GW REAL	GW REAL	GW PEAL	GW REAL
Location Sample Number					İ	GW00285GA	- 1	2		4	GW02912IT	GW02912IT	Q	ပ		BH00346WCU2	GW00759WC		∢	- 1	N	ပ							1	- 1	25	GW03440IT	V			ပ	Ì					ပ	13091 GW02912IT C

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Qual Detect Matrix	0 3 WATER	0 1 WATER	0 1 WATER	WATER	0 01	0 02	0 2 WATER	0 2 WATER	0 1 WATER	0 2 WATER	0 2 WATER	0 04	WATER	0 02	0 1 WATER	0 2 WATER	0 1 WATER	0 1 WATER	0 02	0 1 WATER	0 2 WATER	0 1 WATER	0 2 WATER	WATER	WATER	0 3 WATER	0 2 WATER	0 1 WATER
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Resur Messure	0 4 UG/L	0 4 UGAL	0 4 UG/L	0 38 UG/L	0 31 UG/L	0 3 UG/L	0 3 UG/L	0 3 UG/L	0 3 UG/L	0 3 UG/L	0 3 UG/L	0 27 UG/L	0 26 UG/L	0 24 UG/L	0 2 UG/L	0 2 UG/L	0 2 UG/L	0 2 UG/L	0 2 UG/L	0 2 UG/L	0 2 UG/L	0 2 UG/L	0 2 UG/L	0 15 UG/L	0 14 UG/L	0 1 UG/L	0 1 UG/L	0 1 UG/L
Parameter Code	95-63-6	127-18-4	127-18-4	710	71-43-2	9-87-6	71-43-2	67-66-3	67-66-3	156-59-2	79-01-6	100-41-4	10	108-88-3	56-23-5	156-59-2	100-41-4	75-09-2	95-47-6	127-18-4	127-18-4	108-88-3	79-01-6	JC	TIC	56-23-5	75-09-2	79-01-6
S Chemical Name	BENZENE, 1,2,4-TRIMETHYL	TETRACHLOROETHENE	TETRACHLOROETHENE	UNKNOWN	BENZENE	4-ISOPROPYLTOLUENE	BENZENE	CHLOROFORM	CHLOROFORM	cis-1,2-DICHLOROETHENE	TRICHLOROETHENE	ETHYLBENZENE	UNKNOWN	TOLUENE	CARBON TETRACHLORIDE	cis-1,2-DICHLOROETHENE	ETHYLBENZENE	METHYLENE CHLORIDE	o-XYLENE	TETRACHLOROETHENE	TETRACHLOROETHENE	TOLUENE	TRICHLOROETHENE	UNKNOWN	UNKNOWN	CARBON TETRACHLORIDE	METHYLENE CHLORIDE	TRICHLOROETHENE
Res Typ	THG	E	HG.	2	E	TEG	田田	E	臣	£	표	HG	JIC	SHIT.	臣	표	E	TEG	臣	阳	E	E	Ħ	ဠ	ဠ	E	E	E
Test Group Code	9-Sep-92 VOA524 2 TR	9-Sep-92 VOA524 2	9-Sep-93 VOA524 2	18-Mar-93 VOA524 2	22-May-92 VOA502 2	22-May-92 VOA502 2 TR	9-Sep-92 VOA524 2	9-Sep-92 VOA524 2	9-Sep-93 VOA524 2	9-Sep-92 VOA524 2	12-Sep-94 VOA524 2	22-May-92 VOA502 2	18-Mar-93 VOA524 2	22-May-92 VOA502 2 TH	9-Sep-92 VOA524 2 TR	12-Sep-94 VOA524 2	9-Sep-92 VOA524 2 TEC	18-Mar-93 VOA524 2	22-May-92 VOA502 2	2-Dec-93 VOA524 2 TRC	23-May-94 VOA524 2 TR	9-Sep-92 VOA524 2	9-Mar-94 VOA524 2 TR	18-Mar-93 VOA524 2 ПС	18-Mar-93 VOA524 2 TIC	23-Мау-94 VOA524 2 ТТ	12-Sep-94 VOA524 2	18-Mar-93 VOA524 2 TR
Smpt Date	;6-deS-6	3-Sep-9	3-Sep-9	18-Mar-93	22-May-93	22-May-92	3-Sep-9	6-Sep-9;	3-Sep-9	3-Sep-9	12-Sep-94	22-May-92	18-Mar-93	22-May-92	3-Sep-9	12-Sep-94	9-Sep-92	18-Mar-93	22-May-92	2-Dec-90	23-May-94	9-Sep-92	9-Mar-9	18-Mar-93	18-Mar-93	23-May-94	12-Sep-94	18-Mar-93
ac Code	REAL	型	REAL	절	肾	REAL.	图	REAL	REAL	幫	REAL	됥	幫	죑	幫	PEA	ĘŻ.	절	REAL	쪞	幫	REAL	PEAL	幫	REAL	Z Z	幫	REAL
ST	₩	GW PEAL	₹	GW REAL	GW REAL	₹	GW REAL	₹	₹	GW REAL	₹	₹	GW REAL	₹	GW REAL	₹	₹	GW REAL	₹	₹	GW REA	₹	₹	GW REAL	₹	GW PEAL	GW REA	₹
Sample Number				3091 GW00396WC	3091 GW02912IT				ပ		4		ပ			₹		ပ			<b>A</b>							13091 GW00396WC
Location	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091	13091

